

# **GROUNDWATER MONITORING REPORT**

## **SECOND QUARTER 2005**



**Fortuna Maintenance Station  
Fortuna, California**

**PREPARED FOR:**

**CALIFORNIA DEPARTMENT OF TRANSPORTATION  
DISTRICT 3  
P.O. BOX 911  
MARYSVILLE, CALIFORNIA 95901**



**PREPARED BY:**

**GEOCON CONSULTANTS, INC.  
3160 GOLD VALLEY DRIVE, SUITE 800  
RANCHO CORDOVA, CALIFORNIA 95742**



**GEOCON**

**GEOCON PROJECT NO. S8875-06-01  
TASK ORDER NO. 1**

**JUNE 2005**



Project No. S8875-06-01

June 30, 2005

Mr. Doug Coleman  
California Department of Transportation  
District 3  
P.O. Box 911  
Marysville, California 95901

Subject: FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA  
CONTRACT NO. 03A0937  
TASK ORDER NO. 1  
GROUNDWATER MONITORING REPORT – SECOND QUARTER 2005

Dear Mr. Coleman:

In accordance with California Department of Transportation Contract No. 03A0937, Task Order No. 1, Geocon Consultants, Inc. has performed groundwater monitoring activities at the Fortuna Maintenance Station located at 1924 Smith Lane in Fortuna, California (the Site). The approximate site location is depicted on the attached Vicinity Map, Figure 1. The scope of services provided by Geocon included depth to groundwater measurements, the sampling of fifteen groundwater monitoring wells, submittal of the water samples to a California-certified analytical laboratory and preparation of this report.

## **BACKGROUND**

The Site consists of a Caltrans Maintenance Station containing office and equipment buildings, a resident mechanic's facility, a warehouse, storage bins and a loading dock. Eleven groundwater monitoring wells are located onsite and four groundwater monitoring wells are located offsite to the west.

One gasoline underground storage tank (UST), one diesel UST and one waste oil UST were removed from the central portion of the Site in October 1992. Additionally, HSI reports that another gasoline UST may have been present near the reported "gasoline house." The locations of these USTs are based on a geophysical survey performed in January 1998 and are depicted on the Site Plan, Figure 2.

Several phases of investigation have occurred at the Site. Currently, eleven onsite and four offsite groundwater monitoring wells are present. Groundwater monitoring has been performed at the Site since May 1989. Total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene, and total xylenes (BTEX) have historically been reported for the groundwater samples.

The most recent remedial activity at the Site was performed in September 1999. A total of 2,746 tons of petroleum hydrocarbon-impacted soil was excavated and disposed of from the central portion of the Site (including the former gasoline and diesel UST excavations). The maximum depth of the excavation was reported as approximately 12 feet below the ground surface (bgs), and the average depth of the excavation was reported as 10 feet bgs. The limits of the soil excavation are depicted on

Figure 2. The excavation was subsequently backfilled with 2,224 tons of 3/4-inch aggregate base. During backfilling of the excavation, 1,102 pounds of Oxygen Release Compound (ORC) containing magnesium peroxide was dispersed within the lower level of the backfill. ORC was also injected into 200 Geoprobe® holes located within the downgradient plume area, most of them within the Fortuna Boulevard right-of-way. Based on the soil excavation activities, OEE reported that the majority of soil impacts beneath the Site remain in a “gray silt” material at a depth of approximately 3 to 5 feet bgs.

Results of the most recent groundwater monitoring event in February 2005 show that TPHg and benzene are present in two separate areas of the Site. TPHg and benzene were each reported for onsite well MW-3 and offsite well MW-11. These impacts appear to be associated with the former “gasoline house” located on the western edge of the Site near the southwest corner of the office and equipment building. The greatest TPHg and benzene concentrations were reported for the sample collected from well MW-16 located in the central portion of the Site just north of the northern edge of the 1999 soil excavation. Free-product was encountered in well MW-16 in September 2004.

Based on the presence of free-product encountered in well MW-16, the Humboldt County Department of Environmental Health (HCDEH) issued a March 22, 2005, directive for additional investigation at the Site, with the following comments:

- *Has the extent of soil and groundwater contamination been adequately defined in the vicinity of MW-16 and downgradient of this well to the north and northwest?*
- *Has the source removal of contaminated soil or groundwater in the vicinity of MW-16 been conducted to the maximum extent practicable?*
- *What is the mass quantity and distribution of contaminants in soil and groundwater in the vicinity of MW-16?*
- *What additional remedial actions may be warranted to achieve water quality objectives in a reasonable period of time?*

## **FIELD ACTIVITIES**

### **Depth to Groundwater Measurements**

On May 12, 2005, a representative of Geocon measured the depth to groundwater in monitoring wells MW-1 through MW-3, MW-5, MW-6, MW-8, MW-10 through MW-16, DW-1 and PW-1 using a battery-operated water level meter. Measurements were obtained from a reference point at the top of the well casings (TOC). Well MW-16 was also checked for the presence of free-product using an oil/water interface probe. Free-product was not present in well MW-16. Due to the historical presence of free-product in MW-16, an absorbent sock was installed within the well. Absorbent socks are used to absorb the free-phase product on the groundwater surface. The sock will be replaced during each quarterly groundwater monitoring event, as necessary.

Dissolved oxygen (DO) measurements were also obtained from each well. DO values ranged from 0.00 to 5.89 milligrams per liter (mg/l). The DO measurements are included on the Monitoring Well Sampling Data sheets presented in Appendix A and are included on Table 3.

During the Second Quarter – 2005, depth to groundwater at the Site ranged from 1.51 (MW-1) to 10.06 (DW-1) feet below TOC. Based on the May 2005 groundwater elevation data, the groundwater flow is variable toward the northwest at an average gradient of 0.019. A summary of the TOC elevations, depth to groundwater measurements and groundwater elevations is presented on Table 1. Groundwater

elevation contours, flow direction and gradient are depicted on the Groundwater Elevation Map – May 2005, Figure 2.

## **Well Purgung and Sampling**

On May 12, 2005, approximately two to three well volumes of water (8 to 90 gallons) were purged from each of the fifteen wells using a portable, 12-volt submersible pump or disposable bailer. The pump was decontaminated before and after each use by washing in an Alconox™ solution followed by fresh and distilled water rinses. During the well purging activities, the groundwater was monitored for pH, electrical conductivity and temperature. This information is included on the Monitoring Well Sampling Data sheets presented in Appendix A.

Following the purging activities, groundwater samples were collected from the wells and decanted into laboratory provided sample containers. The samples were sealed, labeled, placed in an ice chest containing ice and subsequently transported to the laboratory using standard chain-of-custody protocol.

The extracted groundwater was placed into nine Department of Transportation-approved, 17-H, 55-gallon drums, which were stored onsite pending receipt of laboratory analysis. The purge water was picked up by Philips Remediation Services and transported to an appropriate disposal facility in June 2005.

## **ANALYTICAL METHODS AND RESULTS**

### **Laboratory Analysis**

The groundwater samples were delivered to Advanced Technology Laboratories (ATL), a Caltrans-approved and California-certified analytical laboratory, for the analyses of TPHg following United States Environmental Protection Agency (EPA) Test Method 8015B modified; BTEX following EPA Test Method 8021B; carbon dioxide and methane following RSKSOP-175, iron and manganese following EPA Test Method 6010B, nitrate and sulfate following EPA Test Method 300, alkalinity following EPA Test Method 310.1, biological oxygen demand (BOD) following EPA Test Method 405.1, and chemical oxygen demand (COD) following EPA Test Method 410.4. The samples from wells MW-6, MW-10 and DW-1 were additionally analyzed for volatile organic compounds (VOCs) following EPA Test Method 8260B. Groundwater analytical results are summarized on Tables 1 through 4. Laboratory reports and chain-of-custody documentation are presented in Appendix B.

### **Analytical Results**

TPHg was reported for the groundwater samples collected from MW-3, MW-10, MW-11 and MW-16 at concentrations ranging from 160 (MW-10) to 31,000 (MW-16) micrograms per liter ( $\mu\text{g/l}$ ). Benzene was reported for the samples from MW-3, MW-11 and MW-16 at respective concentrations of 21, 30 and 3,800  $\mu\text{g/l}$ . Toluene and ethylbenzene were also reported for the samples from MW-3, MW-11 and MW-16 at concentrations ranging from 7.4 (toluene, MW-3) to 2,500 (toluene, MW-16)  $\mu\text{g/l}$ . Total xylenes were reported for the samples from MW-3, MW-6, MW-11 and MW-16 at concentrations ranging from 0.66 (MW-6) to 3,400 (MW-16)  $\mu\text{g/l}$ . TPHg and benzene concentrations for the Second Quarter – 2005 groundwater monitoring event are depicted on Figure 3.

VOCs were not reported at concentrations greater than their respective laboratory test method detection limits for each of the groundwater samples analyzed.

COD was reported for each of the groundwater samples, with the exception of the sample from MW-8, at concentrations ranging from 6.7 to 100 mg/l. BOD was not reported at concentrations greater than the laboratory test method detection limit for each of the groundwater samples analyzed.

Iron was reported for the samples from MW-2, MW-3, MW-8, MW-11, MW-14 through MW-16 and PW-1 at concentrations ranging from 0.52 to 27 mg/l. Manganese was reported for the samples from MW-2, MW-3, MW-10, MW-11, MW-15, MW-16 and PW-1 at concentrations ranging from 0.68 to 2.2 mg/l. Sulfate was reported for each of the groundwater samples at concentrations ranging from 3.4 to 43 mg/l. Nitrate was reported for each of the groundwater samples at concentrations ranging from 0.45 to 3.5 mg/l. Alkalinity concentrations for samples from each of the wells ranged from 17 to 490 mg/l.

Carbon dioxide was reported in each of the groundwater samples at concentrations ranging from 5,900 to 450,000 µg/l. Methane was reported in the samples from MW-2, MW-3, MW-5, MW-16 and PW-1 at concentrations ranging from 4.0 to 480 µg/l.

The field quality assurance/quality control (QA/QC) implemented for the Second Quarter – 2005 groundwater monitoring at the Site included the collection of a duplicate groundwater sample and an equipment blank, and the submittal of a trip blank sample. The groundwater sample collected from PW-1 was duplicated and labeled as non-existent monitoring well MW-17. When comparing the results of primary sample PW-1 to the duplicate sample (see Appendix B for MW-17 results), TPHg, BTEX and BOD were not reported at concentrations greater than their respective laboratory test method detection limits for both samples. Manganese, sulfate, alkalinity, COD, methane and carbon dioxide were reported in both samples at similar concentrations for the two samples, thus, showing good repeatability for these analyses. Iron and nitrate were reported in the sample from PW-1 at respective concentrations of 5.7 and 0.68 mg/l; however, iron and nitrate were reported in MW-17 at respective concentrations of 3.3 and 0.46 mg/l. The resulting relative percent differences (RPDs) are 53% and 39%. Because the RPDs are greater than 25%, the iron and nitrate results reported herein must be qualified as estimated with the potential to be less than or greater than the reported value. None of the tested analytes were reported at concentrations greater than their respective laboratory test method detection limits for the trip blank or equipment blank.

Geocon also reviewed the analytical laboratory QA/QC provided with the laboratory report. These data show that concentrations of the selected analytes were not reported at concentrations greater than their respective analytical laboratory method detection limits for the method blanks and that the method blank surrogate recoveries are acceptable. The analytical laboratory QA/QC data further showed acceptable recoveries and RPDs for the matrix spikes and matrix spike duplicates. Appropriate recoveries were noted for the laboratory control samples. Based on this limited data review, no additional qualifications of the Second Quarter – 2005 data are necessary, and the data are considered of sufficient quality for the purposes of this report.

### **Geotracker Submittal**

The laboratory prepared electronic data files for submittal to the State Water Resources Control Board Geotracker database. The Geotracker database is accessible via the Geotracker website at <http://geotracker.waterboards.ca.gov>. The electronic data was uploaded to Geotracker in June 2005.

## **RECOMMENDATIONS**

Based on the results of the May 2005 analytical data, groundwater monitoring should continue at the Site to evaluate seasonal trends in groundwater elevation and contaminant concentrations at the Site and beneath Fortuna Boulevard. Geocon prepared a Workplan dated April 26, 2005 to address the March 22, 2005 directive from the HCDEH. The proposed additional investigation activities include approximately eight direct-push soil borings advanced onsite in the vicinity of well MW-16 and to the north and northwest (downgradient) of well MW-16. Pending the analytical results for the soil and grab groundwater samples collected from the direct-push soil borings, up to two additional groundwater monitoring wells will be installed at the Site. The direct-push boring activities are scheduled for September 2005. The Third Quarter – 2005 groundwater monitoring event is scheduled for August 2005.

Please contact the undersigned if there are any questions concerning the contents of this Report or if Geocon may be of further service.

Sincerely,

**GEOCON CONSULTANTS, INC.**

*Rebecca L. Silva*

Rebecca L. Silva, REA  
Project Manager

*Jim Brake*

Jim Brake, PG  
Senior Geologist

RLS:JFB:ss

(4) Addressee

Attachments:

Figure 1, Vicinity Map

Figure 2, Groundwater Elevation Map – May 2005

Figure 3, Petroleum Hydrocarbons in Groundwater – May 2005

Table 1, Summary of Groundwater Elevation and Analytical Data

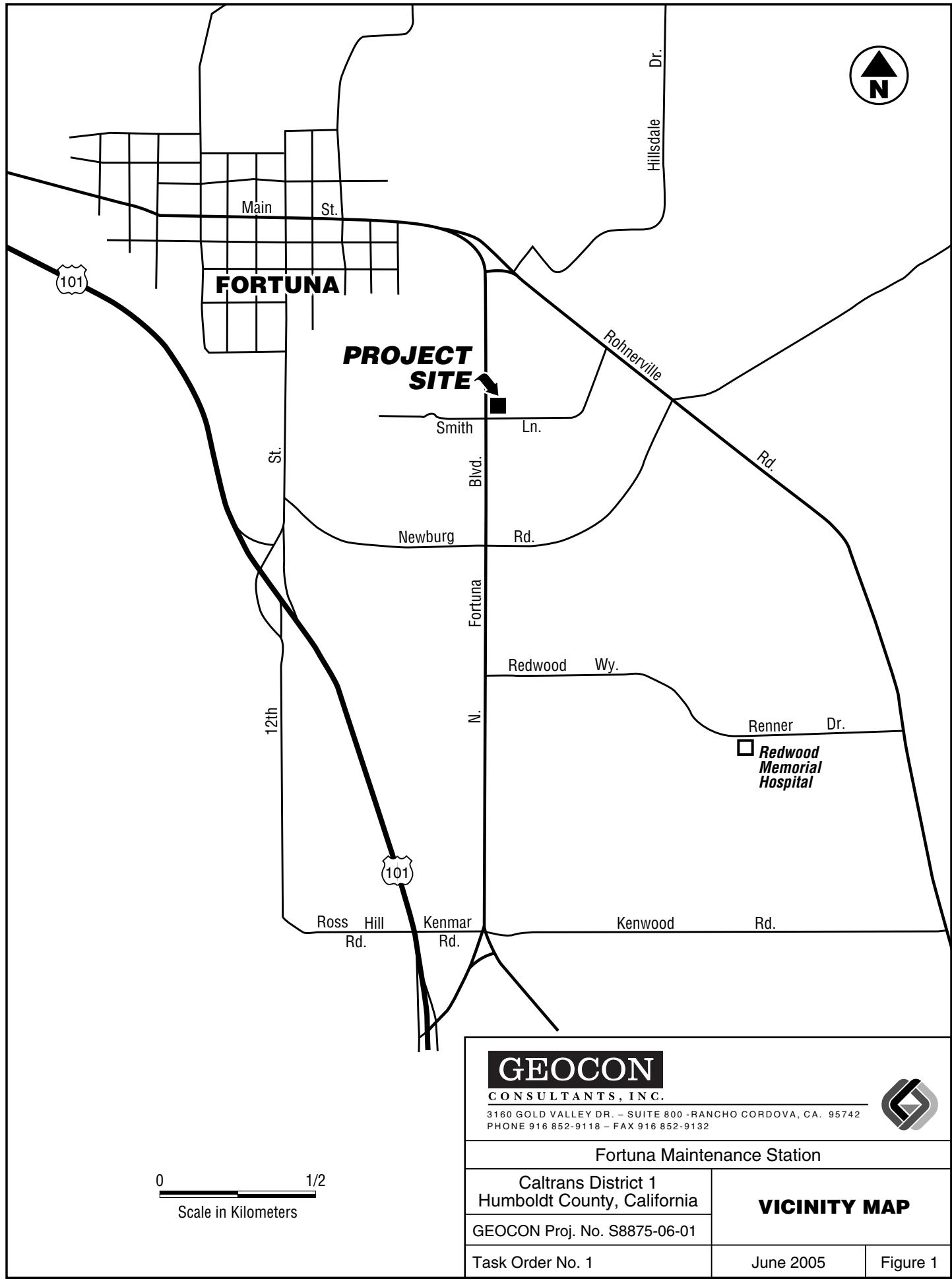
Table 2, Summary of Groundwater Analytical Data - Fuel Oxygenates

Table 3, Summary of Groundwater Analytical Data - Geochemical Data

Table 4, Summary of Groundwater Analytical Data - Volatile Organic Compounds

Appendix A, Monitoring Well Sampling Data Sheets

Appendix B, Laboratory Report and Chain-of-Custody Documentation



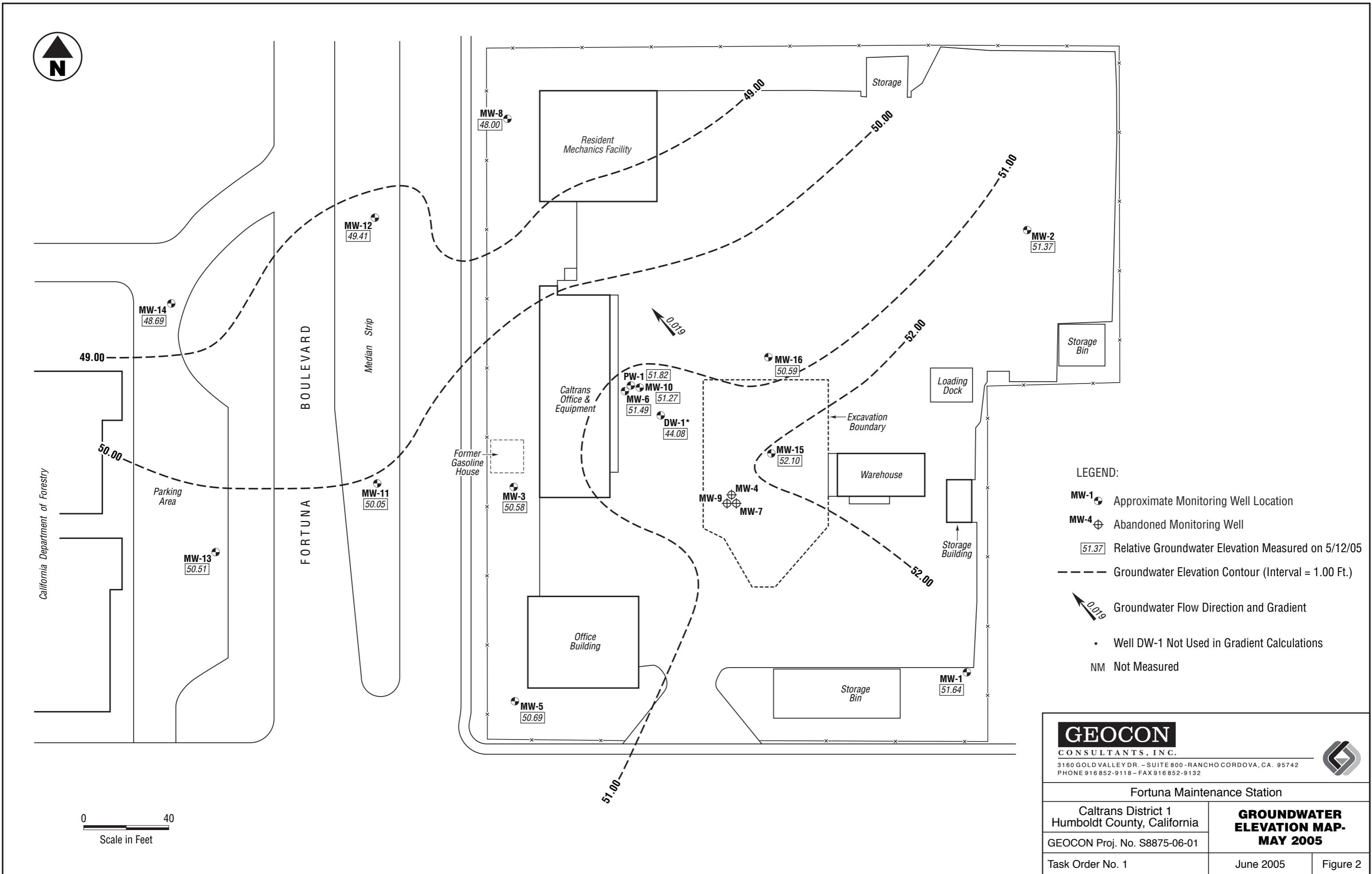




TABLE 1  
SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>(µg/l)   | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethylbenzene<br>(µg/l) | Total Xylenes<br>(µg/l) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|------------------|-------------------|-------------------|------------------------|-------------------------|
| MW-1      | 05/24/89 | 53.15                   | ---                            | ---                                | ND               | ND                | ND                | ND                     | ND                      |
| MW-1      | 10/18/89 | 53.15                   | ---                            | ---                                | 1.0              | ND                | 1.0               | ND                     | ND                      |
| MW-1      | 11/20/90 | 53.15                   | 4.17                           | 48.98                              | <1               | <0.3              | <0.3              | <0.3                   | <0.6                    |
| MW-1      | 05/18/94 | 53.15                   | 2.28                           | 50.87                              | ND               | ND                | ND                | ND                     | ND                      |
| MW-1      | 09/20/95 | 53.15                   | 4.25                           | 48.90                              | 56               | 2.7               | 6.3               | 0.8                    | 2.5                     |
| MW-1      | 03/19/96 | 53.15                   | 2.20                           | 50.95                              | <50              | <0.3              | <0.3              | <0.3                   | <0.3                    |
| MW-1      | 09/26/96 | 53.15                   | 3.40                           | 49.75                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 03/03/97 | 53.15                   | 1.56                           | 51.59                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 09/24/97 | 53.15                   | 2.44                           | 50.71                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-1      | 04/07/98 | 53.15                   | 1.68                           | 51.47                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 03/16/99 | 53.15                   | 1.62                           | 51.53                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 08/31/99 | 53.15                   | 4.17                           | 48.98                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 03/28/00 | 53.15                   | 2.31                           | 50.84                              | 100 <sup>1</sup> | 1.0               | 3.3               | <0.5                   | 2.1                     |
| MW-1      | 10/10/00 | 53.15                   | ---                            | ---                                | ---              | ---               | ---               | ---                    | ---                     |
| MW-1      | 12/07/00 | 53.15                   | Buried under wood and steel    |                                    | ---              | ---               | ---               | ---                    | ---                     |
| MW-1      | 02/23/01 | 53.15                   | 1.97                           | 51.18                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 05/08/01 | 53.15                   | 2.51                           | 50.64                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 09/26/01 | 53.15                   | 5.00                           | 48.15                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 12/12/01 | 53.15                   | 2.57                           | 50.58                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 03/12/02 | 53.15                   | 1.95                           | 51.20                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 05/21/02 | 53.15                   | 2.55                           | 50.60                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 08/28/02 | 53.15                   | 3.83                           | 49.32                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 11/20/02 | 53.15                   | 3.42                           | 49.73                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 02/18/03 | 53.15                   | 1.96                           | 51.19                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-1      | 05/13/03 | 53.15                   | 1.36                           | 51.79                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 08/19/03 | 53.15                   | 3.32                           | 49.83                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-1      | 11/19/03 | 53.15                   | 3.14                           | 50.01                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 03/03/04 | 53.15                   | 1.46                           | 51.69                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-1      | 04/28/04 | 53.15                   | 2.09                           | 51.06                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 09/16/04 | 53.15                   | 4.13                           | 49.02                              | 82               | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 02/10/05 | 53.15                   | 1.89                           | 51.26                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-1      | 05/12/05 | 53.15                   | 1.51                           | 51.64                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 05/24/89 | 53.09                   | ---                            | ---                                | ND               | ND                | ND                | ND                     | ND                      |
| MW-2      | 10/18/89 | 53.09                   | ---                            | ---                                | ND               | ND                | ND                | ND                     | ND                      |
| MW-2      | 11/20/90 | 53.09                   | 5.23                           | 47.86                              | <1               | <0.3              | <0.3              | <0.3                   | <0.6                    |
| MW-2      | 09/20/95 | 53.09                   | 4.58                           | 48.51                              | <50              | <0.3              | <0.3              | <0.3                   | <0.3                    |
| MW-2      | 03/19/96 | 53.09                   | 2.70                           | 50.39                              | ---              | ---               | ---               | ---                    | ---                     |

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FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethylbenzene<br>(µg/l) | Total Xylenes<br>(µg/l) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|----------------|-------------------|-------------------|------------------------|-------------------------|
| MW-2      | 09/26/96 | 53.09                   | 3.14                           | 49.95                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-2      | 03/03/97 | 53.09                   | 1.90                           | 51.19                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 09/24/97 | 53.09                   | 3.30                           | 49.79                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-2      | 04/07/98 | 53.09                   | 1.79                           | 51.30                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 03/16/99 | 53.09                   | 2.24                           | 50.85                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 08/31/99 | 53.09                   | 5.24                           | 47.85                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 03/28/00 | 53.09                   | ---                            | ---                                | ---            | ---               | ---               | ---                    | ---                     |
| MW-2      | 10/10/00 | 53.09                   | 6.08                           | 47.01                              | 130            | 3.5               | 17                | 1.5                    | 14                      |
| MW-2      | 12/07/00 | 53.09                   | 4.73                           | 48.36                              | 180            | <0.5              | 3.4               | 1.4                    | 9.6                     |
| MW-2      | 02/23/01 | 53.09                   | 3.56                           | 49.53                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 05/08/01 | 53.09                   | 2.96                           | 50.13                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 09/26/01 | 53.09                   | 5.15                           | 47.94                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 12/12/01 | 53.09                   | 3.74                           | 49.35                              | 50             | <0.5              | <0.5              | 1.5                    | 11                      |
| MW-2      | 03/12/02 | 53.09                   | 2.71                           | 50.38                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 05/21/02 | 53.09                   | 2.85                           | 50.24                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 08/28/02 | 53.09                   | 5.09                           | 48.00                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 11/20/02 | 53.09                   | 4.56                           | 48.53                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 02/18/03 | 53.09                   | 2.01                           | 51.08                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-2      | 05/13/03 | 53.09                   | 1.37                           | 51.72                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 08/19/03 | 53.09                   | 4.34                           | 48.75                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-2      | 11/19/03 | 53.09                   | 3.83                           | 49.26                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 03/03/04 | 53.09                   | 1.51                           | 51.58                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-2      | 04/28/04 | 53.09                   | 2.16                           | 50.93                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 09/16/04 | 53.09                   | 5.39                           | 47.70                              | 97             | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 02/10/05 | 53.09                   | 2.00                           | 51.09                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-2      | 05/12/05 | 53.09                   | 1.72                           | 51.37                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-3      | 05/24/89 | 54.00                   | ---                            | ---                                | 580            | 38                | 3.0               | 10                     | 26                      |
| MW-3      | 10/18/89 | 54.00                   | ---                            | ---                                | 450            | 73                | 6.0               | 10                     | 7                       |
| MW-3      | 11/20/90 | 54.00                   | 7.48                           | 46.52                              | 2,100          | 200               | 10                | 80                     | 28                      |
| MW-3      | 05/18/94 | 54.00                   | 4.35                           | 49.65                              | 1,400          | 18                | ND                | ND                     | ND                      |
| MW-3      | 09/20/95 | 54.00                   | 7.35                           | 46.65                              | 310            | 32                | 5.7               | 11                     | 4.6                     |
| MW-3      | 03/19/96 | 54.00                   | 3.40                           | 50.60                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-3      | 09/26/96 | 54.00                   | 6.96                           | 47.04                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-3      | 03/03/97 | 54.00                   | 2.97                           | 51.03                              | 910            | 51                | 0.9               | 15                     | 4.6                     |
| MW-3      | 09/24/97 | 54.00                   | 6.72                           | 47.28                              | 360            | 13                | 0.82              | 9.4                    | 3.9                     |
| MW-3      | 04/08/98 | 54.00                   | 2.81                           | 51.19                              | 1,500          | 52                | 2.0               | 40                     | 9.4                     |
| MW-3      | 10/07/98 | 54.00                   | 7.38                           | 46.62                              | 200            | 2.9               | 1.4               | 4.3                    | 4.1                     |

TABLE 1  
SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>( $\mu\text{g/l}$ ) | Benzene<br>( $\mu\text{g/l}$ ) | Toluene<br>( $\mu\text{g/l}$ ) | Ethylbenzene<br>( $\mu\text{g/l}$ ) | Total Xylenes<br>( $\mu\text{g/l}$ ) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|-------------------------------------|--------------------------------------|
| MW-3      | 03/16/99 | 54.00                   | 2.32                           | 51.68                              | 900                         | 36                             | <0.5                           | 16                                  | 6.3                                  |
| MW-3      | 08/31/99 | 54.00                   | 7.12                           | 46.88                              | <50                         | 2.9                            | <0.5                           | 3.6                                 | 2.9                                  |
| MW-3      | 03/29/00 | 54.00                   | 3.58                           | 50.42                              | 1100 <sup>1</sup>           | 51                             | 6.8                            | 24                                  | 3.1                                  |
| MW-3      | 10/11/00 | 54.00                   | 6.88                           | 47.12                              | 300                         | 2.2                            | <0.5                           | 2.4                                 | 2.4                                  |
| MW-3      | 12/07/00 | 54.00                   | Buried under mud and steel     |                                    | ---                         | ---                            | ---                            | ---                                 | ---                                  |
| MW-3      | 02/23/01 | 54.00                   | 3.35                           | 50.65                              | 510                         | 8.7                            | 2.9                            | 7.5                                 | 4.9                                  |
| MW-3      | 05/08/01 | 54.00                   | 4.62                           | 49.38                              | 690                         | 33                             | 5.3                            | 10.0                                | 7.7                                  |
| MW-3      | 09/26/01 | 54.00                   | 5.87                           | 48.13                              | 510                         | 13                             | 1.6                            | 9.0                                 | 8.4                                  |
| MW-3      | 12/12/01 | 54.00                   | 3.33                           | 50.67                              | 1,600                       | 45                             | 6.6                            | 16                                  | 13                                   |
| MW-3      | 03/12/02 | 54.00                   | 3.35                           | 50.65                              | 680                         | 1.0                            | 3.1                            | 1.2                                 | 6.2                                  |
| MW-3      | 05/21/02 | 54.00                   | 4.78                           | 49.22                              | 1,100                       | 29                             | 5.7                            | 26                                  | 13                                   |
| MW-3      | 08/28/02 | 54.00                   | 7.14                           | 46.86                              | 280                         | 7.3                            | 1.6                            | 2.6                                 | 2.7                                  |
| MW-3      | 11/20/02 | 54.00                   | 6.34                           | 47.66                              | 610                         | 3.8                            | 6.7                            | 4.0                                 | 7.3                                  |
| MW-3      | 02/18/03 | 54.00                   | 3.64                           | 50.36                              | 450                         | 2.4                            | 3.5                            | <0.5                                | 7.1                                  |
| MW-3      | 05/13/03 | 54.00                   | 2.82                           | 51.18                              | 1,700                       | 26                             | 13                             | 33                                  | 16                                   |
| MW-3      | 08/19/03 | 54.00                   | 5.02                           | 48.98                              | 990                         | 37                             | <0.5                           | 16                                  | 7.6                                  |
| MW-3      | 11/19/03 | 54.00                   | 4.69                           | 49.31                              | 80                          | 1.8                            | 0.7                            | <0.5                                | <0.5                                 |
| MW-3      | 03/03/04 | 54.00                   | 2.56                           | 51.44                              | <50                         | <0.5                           | 3.0                            | <0.5                                | 3.0                                  |
| MW-3      | 04/28/04 | 54.00                   | 4.38                           | 49.62                              | 620                         | 60                             | 5.9                            | 19                                  | 11                                   |
| MW-3      | 09/17/04 | 54.00                   | 6.35                           | 47.65                              | 570                         | 12                             | 4.9                            | 9.4                                 | 2.7                                  |
| MW-3      | 02/10/05 | 54.00                   | 3.89                           | 50.11                              | 1,300                       | 63                             | 9.7                            | 31                                  | 8.0                                  |
| MW-3      | 05/12/05 | 54.00                   | 3.42                           | 50.58                              | 980                         | 21                             | 7.4                            | 15                                  | 4.8                                  |
| MW-4      | 05/24/89 | ---                     | ---                            | ---                                | 67,000                      | 17,000                         | 25,000                         | 23,000                              | 12,000                               |
| MW-4      | 10/18/89 | Well Abandoned          |                                | ---                                | ---                         | ---                            | ---                            | ---                                 | ---                                  |
| MW-5      | 05/24/89 | 53.29                   | ---                            | ---                                | ND                          | ND                             | ND                             | ND                                  | ND                                   |
| MW-5      | 10/18/89 | 53.29                   | ---                            | ---                                | ND                          | ND                             | ND                             | ND                                  | ND                                   |
| MW-5      | 11/20/90 | 53.29                   | 4.69                           | 48.60                              | <1                          | <0.3                           | <0.3                           | <0.3                                | <0.6                                 |
| MW-5      | 09/20/95 | 53.29                   | 5.01                           | 48.28                              | <50                         | <0.3                           | 0.67                           | <0.3                                | <0.3                                 |
| MW-5      | 03/19/96 | 53.29                   | 2.35                           | 50.94                              | ---                         | ---                            | ---                            | ---                                 | ---                                  |
| MW-5      | 09/26/96 | 53.29                   | 4.43                           | 48.86                              | ---                         | ---                            | ---                            | ---                                 | ---                                  |
| MW-5      | 03/03/97 | 53.29                   | 2.49                           | 50.80                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-5      | 09/24/97 | 53.29                   | 4.15                           | 49.14                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-5      | 04/07/98 | 53.29                   | 2.46                           | 50.83                              | <50                         | 0.59                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-5      | 10/06/98 | 53.29                   | 4.75                           | 48.54                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-5      | 03/16/99 | 53.29                   | 2.14                           | 51.15                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-5      | 08/31/99 | 53.29                   | 4.77                           | 48.52                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |

TABLE 1  
SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet)   | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>(µg/l)   | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethylbenzene<br>(µg/l) | Total Xylenes<br>(µg/l) |
|-----------|----------|-------------------------|----------------------------------|------------------------------------|------------------|-------------------|-------------------|------------------------|-------------------------|
| MW-5      | 03/28/00 | 53.29                   | 2.75                             | 50.54                              | 100 <sup>1</sup> | <0.5              | 1.3               | <0.5                   | <0.5                    |
| MW-5      | 10/10/00 | 53.29                   | ---                              | ---                                | ---              | ---               | ---               | ---                    | ---                     |
| MW-5      | 12/07/00 | 53.29                   | Buried under construction debris | ---                                | ---              | ---               | ---               | ---                    | ---                     |
| MW-5      | 02/23/01 | 53.29                   | Buried under construction debris | ---                                | ---              | ---               | ---               | ---                    | ---                     |
| MW-5      | 05/08/01 | 53.29                   | Buried under construction debris | ---                                | ---              | ---               | ---               | ---                    | ---                     |
| MW-5      | 09/26/01 | 53.29                   | 4.12                             | 49.17                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-5      | 12/12/01 | 53.29                   | 2.72                             | 50.57                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-5      | 03/12/02 | 53.29                   | 2.68                             | 50.61                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-5      | 05/21/02 | 53.29                   | 3.31                             | 49.98                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-5      | 08/28/02 | 53.29                   | 4.63                             | 48.66                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-5      | 11/20/02 | 53.29                   | 4.05                             | 49.24                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-5      | 02/18/03 | 53.29                   | 2.89                             | 50.40                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-5      | 05/13/03 | 53.29                   | 2.35                             | 50.94                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-5      | 08/19/03 | 53.29                   | 3.63                             | 49.66                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-5      | 11/19/03 | 53.29                   | 3.25                             | 50.04                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-5      | 03/03/04 | 53.29                   | 2.32                             | 50.97                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-5      | 04/28/04 | 53.29                   | 3.03                             | 50.26                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-5      | 09/16/04 | 53.29                   | 4.35                             | 48.94                              | 85               | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-5      | 02/10/05 | 53.29                   | 2.91                             | 50.38                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-5      | 05/12/05 | 53.29                   | 2.60                             | 50.69                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 05/24/89 | 54.05                   | ---                              | ---                                | 3,200            | 3,000             | 3.0               | 1.0                    | 1.0                     |
| MW-6      | 10/18/89 | 54.05                   | ---                              | ---                                | 9,600            | 7,300             | 170               | 330                    | 280                     |
| MW-6      | 11/20/90 | 54.05                   | 8.25                             | 45.80                              | 6,400            | 4,400             | 16                | 220                    | 20                      |
| MW-6      | 05/18/94 | 54.05                   | 5.80                             | 48.25                              | 120              | ND                | ND                | ND                     | ND                      |
| MW-6      | 09/19/95 | 54.05                   | 7.98                             | 46.07                              | 8,900            | 830               | 220               | 91                     | 200                     |
| MW-6      | 03/19/96 | 54.05                   | 5.34                             | 46.71                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-6      | 09/26/96 | 54.05                   | 6.18                             | 47.87                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-6      | 03/03/97 | 54.05                   | 3.48                             | 50.57                              | <50              | <0.5              | 0.9               | <0.5                   | <0.5                    |
| MW-6      | 09/24/97 | 54.05                   | 7.11                             | 46.94                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-6      | 04/08/98 | 54.05                   | 1.66                             | 52.39                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 03/17/99 | 54.05                   | 1.26                             | 52.79                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 08/31/99 | 54.05                   | 7.32                             | 46.73                              | <50              | 6.0               | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 03/29/00 | 54.05                   | 2.61                             | 51.44                              | 100 <sup>1</sup> | 0.7               | 1.1               | <0.5                   | <0.5                    |
| MW-6      | 10/10/00 | 54.05                   | 7.64                             | 46.41                              | <50              | 2.4               | 1.1               | <0.5                   | <0.5                    |
| MW-6      | 12/07/00 | 54.05                   | 5.71                             | 48.34                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 02/22/01 | 54.05                   | 4.00                             | 50.05                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 05/08/01 | 54.05                   | 4.35                             | 49.70                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |

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SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethylbenzene<br>(µg/l) | Total Xylenes<br>(µg/l) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|----------------|-------------------|-------------------|------------------------|-------------------------|
| MW-6      | 09/26/01 | 54.05                   | 5.96                           | 48.09                              | 77             | 2.6               | 0.58              | <0.5                   | 0.51                    |
| MW-6      | 12/12/01 | 54.05                   | 4.18                           | 49.87                              | 66             | 0.83              | <0.5              | <0.5                   | 0.75                    |
| MW-6      | 03/12/02 | 54.05                   | 2.90                           | 51.15                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 05/21/02 | 54.05                   | 4.01                           | 50.04                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 08/28/02 | 54.05                   | 7.44                           | 46.61                              | 94             | 4.4               | <0.5              | 0.51                   | <0.5                    |
| MW-6      | 11/20/02 | 54.05                   | 7.59                           | 46.46                              | 190            | 6.7               | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 02/18/03 | 54.05                   | 3.27                           | 50.78                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 05/13/03 | 54.05                   | 1.54                           | 52.51                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 08/19/03 | 54.05                   | 5.56                           | 48.49                              | <50            | 0.53              | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 11/19/03 | 54.05                   | 5.89                           | 48.16                              | <50            | 0.9               | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 03/03/04 | 54.05                   | 1.29                           | 52.76                              | 2,300          | 69                | 41                | 17                     | 21                      |
| MW-6      | 04/28/04 | 54.05                   | 3.58                           | 50.47                              | <50            | 0.60              | <0.5              | 0.60                   | <0.5                    |
| MW-6      | 09/16/04 | 54.05                   | 7.13                           | 46.92                              | 160            | 0.71              | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 02/10/05 | 54.05                   | 3.18                           | 50.87                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-6      | 05/12/05 | 54.05                   | 2.56                           | 51.49                              | <50            | <0.5              | <0.5              | <0.5                   | 0.66                    |
| MW-7      | 10/18/89 | 54.33                   | ---                            | ---                                | 580            | 56                | 120               | 21                     | 130                     |
| MW-7      | 11/20/90 | 54.33                   | 13.44                          | 40.89                              | <1             | <0.3              | <0.3              | <0.3                   | <0.6                    |
| MW-7      | 05/18/94 | 54.33                   | 11.68                          | 42.65                              | ND             | ND                | ND                | ND                     | ND                      |
| MW-7      | 09/19/95 | 54.33                   | 13.59                          | 40.74                              | 68             | 5.6               | 7.8               | 1.2                    | 3.2                     |
| MW-7      | 03/19/96 | 54.33                   | 9.65                           | 44.68                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-7      | 09/26/96 | 54.33                   | 13.75                          | 40.58                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-7      | 03/03/97 | 54.33                   | 0.79                           | 53.54                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-7      | 09/24/97 | 54.33                   | 13.03                          | 41.30                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-7      | 04/08/98 | 54.33                   | 8.22                           | 46.11                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-7      | 03/16/99 | 54.33                   | 8.45                           | 45.88                              | <50            | <0.5              | 0.5               | <0.5                   | 0.6                     |
| MW-7      | 08/31/99 | 54.33                   | 13.19                          | 41.14                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-7      | 03/28/00 | Well Abandoned          |                                | ---                                | ---            | ---               | ---               | ---                    | ---                     |
| MW-8      | 10/18/89 | 53.68                   | ---                            | ---                                | ND             | ND                | ND                | ND                     | ND                      |
| MW-8      | 11/20/90 | 53.68                   | 12.11                          | 41.57                              | <1             | <0.3              | <0.3              | <0.3                   | <0.6                    |
| MW-8      | 04/15/91 | 53.68                   | ---                            | ---                                | ND             | ND                | ND                | ND                     | ND                      |
| MW-8      | 05/19/93 | 53.68                   | ---                            | ---                                | ND             | ND                | ND                | ND                     | ND                      |
| MW-8      | 11/17/93 | 53.68                   | ---                            | ---                                | ND             | ND                | ND                | ND                     | ND                      |
| MW-8      | 05/18/94 | 53.68                   | 8.14                           | 45.54                              | ND             | ND                | ND                | ND                     | ND                      |
| MW-8      | 09/20/95 | 53.68                   | 12.40                          | 41.28                              | <50            | <0.3              | <0.3              | <0.3                   | <0.3                    |
| MW-8      | 03/19/96 | 53.68                   | 7.03                           | 46.65                              | <50            | <0.3              | <0.3              | <0.3                   | <0.3                    |
| MW-8      | 09/26/96 | 53.68                   | 12.59                          | 41.09                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |

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FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>( $\mu\text{g/l}$ ) | Benzene<br>( $\mu\text{g/l}$ ) | Toluene<br>( $\mu\text{g/l}$ ) | Ethylbenzene<br>( $\mu\text{g/l}$ ) | Total Xylenes<br>( $\mu\text{g/l}$ ) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|-------------------------------------|--------------------------------------|
| MW-8      | 03/03/97 | 53.68                   | 6.61                           | 47.07                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 09/24/97 | 53.68                   | 12.04                          | 41.64                              | ---                         | ---                            | ---                            | ---                                 | ---                                  |
| MW-8      | 04/07/98 | 53.68                   | 5.38                           | 48.30                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 03/16/99 | 53.68                   | 4.71                           | 48.97                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 08/31/99 | 53.68                   | 12.42                          | 41.26                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 03/28/00 | 53.68                   | 6.22                           | 47.46                              | 100 <sup>1</sup>            | 1.4                            | 3.2                            | <0.5                                | <0.5                                 |
| MW-8      | 10/11/00 | 53.68                   | 12.05                          | 41.63                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 12/07/00 | 53.68                   | 4.73                           | 48.95                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 02/22/01 | 53.68                   | 7.10                           | 46.58                              | 110                         | 0.94                           | 0.68                           | <0.5                                | <0.5                                 |
| MW-8      | 05/08/01 | 53.68                   | 7.43                           | 46.25                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 09/26/01 | 53.68                   | 11.63                          | 42.05                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 12/12/01 | 53.68                   | 7.06                           | 46.62                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 03/12/02 | 53.68                   | 6.15                           | 47.53                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 05/21/02 | 53.68                   | 6.75                           | 46.93                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 08/28/02 | 53.68                   | 11.90                          | 41.78                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 11/20/02 | 53.68                   | 12.12                          | 41.56                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 02/18/03 | 53.68                   | 6.40                           | 47.28                              | ---                         | ---                            | ---                            | ---                                 | ---                                  |
| MW-8      | 05/13/03 | 53.68                   | 4.82                           | 48.86                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 08/19/03 | 53.68                   | 11.01                          | 42.67                              | ---                         | ---                            | ---                            | ---                                 | ---                                  |
| MW-8      | 11/19/03 | 53.68                   | 9.92                           | 43.76                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 03/03/04 | 53.68                   | 5.26                           | 48.42                              | ---                         | ---                            | ---                            | ---                                 | ---                                  |
| MW-8      | 04/28/04 | 53.68                   | 6.63                           | 47.05                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 09/16/04 | 53.68                   | 11.74                          | 41.94                              | 91                          | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 02/10/05 | 53.68                   | 6.50                           | 47.18                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-8      | 05/12/05 | 53.68                   | 5.68                           | 48.00                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-9      | 11/20/90 | 54.49                   | 4.99                           | 49.50                              | 28,000                      | 5,300                          | 4,100                          | 1,000                               | 5,300                                |
| MW-9      | 05/18/94 | 54.49                   | 2.74                           | 51.75                              | 70                          | 11                             | 0.6                            | ND                                  | 5.8                                  |
| MW-9      | 09/19/95 | 54.49                   | 4.69                           | 49.80                              | 2,000                       | 350                            | 27                             | 280                                 | 110                                  |
| MW-9      | 03/19/96 | 54.49                   | 1.93                           | 52.56                              | ---                         | ---                            | ---                            | ---                                 | ---                                  |
| MW-9      | 09/26/96 | 54.49                   | 4.51                           | 49.98                              | ---                         | ---                            | ---                            | ---                                 | ---                                  |
| MW-9      | 03/03/97 | 54.49                   | 1.61                           | 52.88                              | 50                          | 9.0                            | 0.56                           | 2.4                                 | 1.5                                  |
| MW-9      | 09/24/97 | 54.49                   | 4.25                           | 50.24                              | ---                         | ---                            | ---                            | ---                                 | ---                                  |
| MW-9      | 04/08/98 | 54.49                   | 1.63                           | 52.86                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| MW-9      | 03/16/99 | 54.49                   | 1.60                           | 52.89                              | 500                         | 20                             | 1.2                            | 8.0                                 | 6.2                                  |
| MW-9      | 08/31/99 | 54.49                   | 4.70                           | 49.79                              | 600                         | 34                             | 1.0                            | 6.1                                 | 4.2                                  |
| MW-9      | 03/28/00 | Well Abandoned          |                                | ---                                | ---                         | ---                            | ---                            | ---                                 | ---                                  |

TABLE 1  
SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethylbenzene<br>(µg/l) | Total Xylenes<br>(µg/l) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|----------------|-------------------|-------------------|------------------------|-------------------------|
| MW-10     | 10/18/89 | 54.21                   | ---                            | ---                                | 4,300          | 3,900             | 3                 | ND                     | 9.0                     |
| MW-10     | 11/20/90 | 54.21                   | 8.48                           | 45.73                              | 3,100          | 3,000             | 0.3               | 0.5                    | 1.0                     |
| MW-10     | 05/18/94 | 54.21                   | 4.67                           | 49.54                              | ND             | ND                | ND                | ND                     | ND                      |
| MW-10     | 09/19/95 | 54.21                   | 8.06                           | 46.15                              | 160            | 21                | 18                | 3.0                    | 8.0                     |
| MW-10     | 03/19/96 | 54.21                   | 2.79                           | 51.42                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-10     | 09/26/96 | 54.21                   | 4.32                           | 49.89                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-10     | 03/03/97 | 54.21                   | 6.01                           | 48.20                              | <50            | <0.5              | <0.5              | <0.5                   | 0.6                     |
| MW-10     | 09/24/97 | 54.21                   | 7.36                           | 46.85                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-10     | 04/08/98 | 54.21                   | 2.97                           | 51.24                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 03/17/99 | 54.21                   | 1.63                           | 52.58                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 08/31/99 | 54.21                   | 7.59                           | 46.62                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 03/29/00 | 54.21                   | 3.01                           | 51.20                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 10/10/00 | 54.21                   | 7.67                           | 46.54                              | <50            | 3.3               | 6.5               | 0.66                   | 5.6                     |
| MW-10     | 12/07/00 | 54.21                   | 5.53                           | 48.68                              | 150            | <0.5              | 2.3               | 1.3                    | 7.1                     |
| MW-10     | 02/22/01 | 54.21                   | 4.31                           | 49.90                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 05/08/01 | 54.21                   | 6.33                           | 47.88                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 09/26/01 | 54.21                   | 10.00                          | 44.21                              | 66             | 1.7               | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 12/12/01 | 54.21                   | 4.83                           | 49.38                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 03/12/02 | 54.21                   | 3.35                           | 50.86                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 05/21/02 | 54.21                   | 4.35                           | 49.86                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 08/28/02 | 54.21                   | 7.64                           | 46.57                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 11/20/02 | 54.21                   | 10.89                          | 43.32                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 02/18/03 | 54.21                   | 3.43                           | 50.78                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-10     | 05/13/03 | 54.21                   | 2.02                           | 52.19                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 08/19/03 | 54.21                   | 5.72                           | 48.49                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-10     | 11/19/03 | 54.21                   | 6.16                           | 48.05                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 03/03/04 | 54.21                   | 1.77                           | 52.44                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-10     | 04/28/04 | 54.21                   | 3.78                           | 50.43                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 09/16/04 | 54.21                   | 7.36                           | 46.85                              | 160            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 02/10/05 | 54.21                   | 3.47                           | 50.74                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-10     | 05/12/05 | 54.12                   | 2.85                           | 51.27                              | 160            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-11     | 06/04/90 | 55.27                   | ---                            | ---                                | 7,900          | 300               | 38                | 30                     | 85                      |
| MW-11     | 11/20/90 | 55.27                   | 9.54                           | 45.73                              | 5,100          | 370               | 56                | 43                     | 70                      |
| MW-11     | 09/20/95 | 55.27                   | 9.36                           | 45.91                              | 4,900          | 290               | 44                | 51                     | 11                      |
| MW-11     | 03/19/96 | 55.27                   | 5.21                           | 50.06                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-11     | 09/26/96 | 55.27                   | 8.91                           | 46.36                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-11     | 03/04/97 | 55.27                   | 4.78                           | 50.49                              | 4,000          | <0.5              | 28                | 29                     | 26                      |

TABLE 1  
SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>(µg/l)    | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethylbenzene<br>(µg/l) | Total Xylenes<br>(µg/l) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|-------------------|-------------------|-------------------|------------------------|-------------------------|
| MW-11     | 09/24/97 | 55.27                   | 9.04                           | 46.23                              | ---               | ---               | ---               | ---                    | ---                     |
| MW-11     | 04/08/98 | 55.27                   | 4.58                           | 50.69                              | 5,800             | 160               | 31                | 19                     | 13                      |
| MW-11     | 03/17/99 | 55.27                   | 4.01                           | 51.26                              | 4,900             | 81                | 15                | 17                     | 8.6                     |
| MW-11     | 08/31/99 | 55.27                   | 9.19                           | 46.08                              | 4,300             | 51                | 19                | 25                     | 9.4                     |
| MW-11     | 03/29/00 | 55.27                   | 5.58                           | 49.69                              | 1100 <sup>1</sup> | 49                | 13                | 8.3                    | 4.0                     |
| MW-11     | 10/10/00 | 55.27                   | 8.77                           | 46.50                              | 3,500             | 81                | 21                | 16                     | 7.9                     |
| MW-11     | 12/07/00 | 55.27                   | 6.18                           | 49.09                              | 2,200             | 230               | <2.5              | 69                     | 8.3                     |
| MW-11     | 02/23/01 | 55.27                   | 4.84                           | 50.43                              | 490               | 3.7               | 3.2               | 2.8                    | 2.0                     |
| MW-11     | 05/08/01 | 55.27                   | 6.20                           | 49.07                              | 1,200             | 16                | 2.2               | 1.3                    | 14                      |
| MW-11     | 09/26/01 | 55.27                   | 7.51                           | 47.76                              | 2,300             | 72                | 16                | 27                     | 20                      |
| MW-11     | 12/12/01 | 55.27                   | 5.10                           | 50.17                              | <50               | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-11     | 03/12/02 | 55.27                   | 5.15                           | 50.12                              | 2,300             | 41                | 5.8               | 7.6                    | 10                      |
| MW-11     | 05/21/02 | 55.27                   | 6.64                           | 48.63                              | 4,500             | 45                | 23                | 30                     | 17                      |
| MW-11     | 08/28/02 | 55.27                   | 9.27                           | 46.00                              | 400               | 0.95              | 2.4               | 2.9                    | 3.5                     |
| MW-11     | 11/20/02 | 55.27                   | 8.31                           | 46.96                              | <50               | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-11     | 02/18/03 | 55.27                   | 5.09                           | 50.18                              | 4,200             | 67                | 37                | 13                     | 23                      |
| MW-11     | 05/13/03 | 55.27                   | 4.71                           | 50.56                              | 4,600             | 97                | 50                | 15                     | 26                      |
| MW-11     | 08/19/03 | 55.27                   | 6.45                           | 48.82                              | 530               | 1.1               | <0.5              | <0.5                   | <0.5                    |
| MW-11     | 11/19/03 | 55.27                   | 6.20                           | 49.07                              | <50               | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-11     | 03/03/04 | 55.27                   | 4.28                           | 50.99                              | <50               | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-11     | 04/28/04 | 55.27                   | 6.04                           | 49.23                              | 2,100             | 92                | 44                | 26                     | 19                      |
| MW-11     | 09/17/04 | 55.27                   | 8.03                           | 47.24                              | 3,000             | 46                | 22                | 21                     | 17.1                    |
| MW-11     | 02/10/05 | 55.27                   | 5.49                           | 49.78                              | 1,600             | 25                | 19                | 12                     | 6.2                     |
| MW-11     | 05/12/05 | 55.27                   | 5.22                           | 50.05                              | 1,600             | 30                | 23                | 15                     | 14                      |
| MW-12     | 06/04/90 | 55.30                   | ---                            | ---                                | ND                | ND                | ND                | ND                     | ND                      |
| MW-12     | 11/20/90 | 55.30                   | 12.67                          | 42.63                              | <1                | <0.3              | <0.3              | <0.3                   | <0.6                    |
| MW-12     | 04/15/91 | 55.30                   | ---                            | ---                                | ND                | ND                | ND                | ND                     | ND                      |
| MW-12     | 05/19/93 | 55.30                   | ---                            | ---                                | ND                | ND                | ND                | ND                     | ND                      |
| MW-12     | 11/17/93 | 55.30                   | ---                            | ---                                | ND                | ND                | ND                | ND                     | ND                      |
| MW-12     | 05/18/94 | 55.30                   | 8.36                           | 46.94                              | ND                | ND                | ND                | ND                     | ND                      |
| MW-12     | 09/20/95 | 55.30                   | 12.49                          | 42.81                              | <50               | <0.3              | <0.3              | <0.3                   | <0.3                    |
| MW-12     | 03/19/96 | 55.30                   | 6.68                           | 48.62                              | <50               | <0.3              | <0.3              | <0.3                   | <0.3                    |
| MW-12     | 09/26/96 | 55.30                   | 12.56                          | 42.74                              | <50               | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 03/04/97 | 55.30                   | 5.52                           | 49.78                              | <50               | <0.5              | 1.0               | <0.5                   | 2.1                     |
| MW-12     | 09/24/97 | 55.30                   | 12.18                          | 43.12                              | ---               | ---               | ---               | ---                    | ---                     |
| MW-12     | 04/08/98 | 55.30                   | 3.44                           | 51.86                              | <50               | <0.5              | 0.96              | <0.5                   | 0.63                    |
| MW-12     | 03/17/99 | 55.30                   | 2.86                           | 52.44                              | <50               | <0.5              | <0.5              | <0.5                   | <0.5                    |

TABLE 1  
SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>(µg/l)   | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethylbenzene<br>(µg/l) | Total Xylenes<br>(µg/l) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|------------------|-------------------|-------------------|------------------------|-------------------------|
| MW-12     | 08/31/99 | 55.30                   | ---                            | ---                                | ---              | ---               | ---               | ---                    | ---                     |
| MW-12     | 03/28/00 | 55.30                   | ---                            | ---                                | ---              | ---               | ---               | ---                    | ---                     |
| MW-12     | 10/10/00 | 55.30                   | 11.30                          | 44.00                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 12/07/00 | 55.30                   | 3.97                           | 51.33                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 02/22/01 | 55.30                   | 4.80                           | 50.50                              | 110              | 1.2               | 2.9               | <0.5                   | 1.8                     |
| MW-12     | 05/08/01 | 55.30                   | 7.32                           | 47.98                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 09/26/01 | 55.30                   | 9.65                           | 45.65                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 12/12/01 | 55.30                   | 3.98                           | 51.32                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 03/12/02 | 55.30                   | 5.02                           | 50.28                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 05/21/02 | 55.30                   | 7.38                           | 47.92                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 08/28/02 | 55.30                   | 12.30                          | 43.00                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 11/20/02 | 55.30                   | 11.92                          | 43.38                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 02/18/03 | 55.30                   | 5.46                           | 49.84                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-12     | 05/13/03 | 55.30                   | 3.95                           | 51.35                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 08/19/03 | 55.30                   | 6.62                           | 48.68                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-12     | 11/19/03 | 55.30                   | 4.62                           | 50.68                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 03/03/04 | 55.30                   | 3.26                           | 52.04                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-12     | 04/28/04 | 55.30                   | 6.94                           | 48.36                              | <50              | 0.83              | 0.56              | 0.59                   | 1.8                     |
| MW-12     | 09/16/04 | 55.30                   | 10.61                          | 44.69                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 02/10/05 | 55.30                   | 5.81                           | 49.49                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-12     | 05/12/05 | 55.30                   | 5.89                           | 49.41                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 11/20/90 | 52.93                   | 6.13                           | 46.80                              | <1               | <0.3              | <0.3              | <0.3                   | <0.6                    |
| MW-13     | 09/20/95 | 52.93                   | 5.13                           | 47.80                              | <50              | <0.3              | 0.52              | <0.3                   | <0.3                    |
| MW-13     | 03/19/96 | 52.93                   | 7.00                           | 45.93                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-13     | 09/26/96 | 52.93                   | 6.55                           | 46.38                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-13     | 03/04/97 | 52.93                   | 4.30                           | 48.63                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 09/24/97 | 52.93                   | 8.17                           | 44.76                              | <50              | <0.5              | 0.69              | 0.79                   | 4.3                     |
| MW-13     | 04/08/98 | 52.93                   | 1.85                           | 51.08                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 10/07/98 | 52.93                   | 5.42                           | 47.51                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 03/16/99 | 52.93                   | 1.70                           | 51.23                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 08/31/99 | 52.93                   | 5.46                           | 47.47                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 03/28/00 | 52.93                   | 2.55                           | 50.38                              | 200 <sup>1</sup> | 0.6               | 1.5               | <0.5                   | <0.5                    |
| MW-13     | 10/11/00 | 52.93                   | 5.24                           | 47.69                              | <50              | <0.5              | 3.8               | 1.0                    | 5.0                     |
| MW-13     | 12/07/00 | 52.93                   | 3.34                           | 49.59                              | 180              | <0.5              | 4.0               | 1.8                    | 13                      |
| MW-13     | 02/22/01 | 52.93                   | 2.09                           | 50.84                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 05/08/01 | 52.93                   | 3.15                           | 49.78                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 09/26/01 | 52.93                   | 4.18                           | 48.75                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |

TABLE 1  
 SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA  
 FORTUNA MAINTENANCE STATION  
 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>(µg/l)   | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethylbenzene<br>(µg/l) | Total Xylenes<br>(µg/l) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|------------------|-------------------|-------------------|------------------------|-------------------------|
| MW-13     | 12/12/01 | 52.93                   | 2.29                           | 50.64                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 03/12/02 | 52.93                   | 2.40                           | 50.53                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 05/21/02 | 52.93                   | 4.70                           | 48.23                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 08/28/02 | 52.93                   | 4.78                           | 48.15                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 11/20/02 | 52.93                   | 4.71                           | 48.22                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 02/18/03 | 52.93                   | 2.73                           | 50.20                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-13     | 05/13/03 | 52.93                   | 2.18                           | 50.75                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 08/19/03 | 52.93                   | 3.48                           | 49.45                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-13     | 11/19/03 | 52.93                   | 3.62                           | 49.31                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 03/03/04 | 52.93                   | 1.83                           | 51.10                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-13     | 04/28/04 | 52.93                   | 2.58                           | 50.35                              | <50              | <0.5              | 0.70              | <0.5                   | 0.50                    |
| MW-13     | 09/16/04 | 52.93                   | 4.26                           | 48.67                              | 86               | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 02/10/05 | 52.93                   | 2.77                           | 50.16                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-13     | 05/12/05 | 52.93                   | 2.42                           | 50.51                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 11/20/90 | 52.07                   | 8.73                           | 43.34                              | <1               | <0.3              | <0.3              | <0.3                   | <0.6                    |
| MW-14     | 04/15/91 | 52.07                   | ---                            | ---                                | ND               | ND                | ND                | ND                     | ND                      |
| MW-14     | 05/19/93 | 52.07                   | ---                            | ---                                | ND               | ND                | ND                | ND                     | ND                      |
| MW-14     | 11/17/93 | 52.07                   | ---                            | ---                                | ND               | ND                | ND                | ND                     | ND                      |
| MW-14     | 05/18/94 | 52.07                   | 3.84                           | 48.23                              | ND               | ND                | ND                | ND                     | ND                      |
| MW-14     | 09/20/95 | 52.07                   | 8.02                           | 44.05                              | <50              | <0.3              | <0.3              | <0.3                   | <0.3                    |
| MW-14     | 03/19/96 | 52.07                   | 3.64                           | 48.43                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-14     | 09/26/96 | 52.07                   | 7.86                           | 44.21                              | ---              | ---               | ---               | ---                    | ---                     |
| MW-14     | 03/04/97 | 52.07                   | 3.27                           | 48.80                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 09/24/97 | 52.07                   | 8.25                           | 43.82                              | 100              | 1.5               | 2.7               | 3.0                    | 14                      |
| MW-14     | 04/07/98 | 52.07                   | 3.26                           | 48.81                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 10/07/98 | 52.07                   | 8.83                           | 43.24                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 03/16/99 | 52.07                   | 2.50                           | 49.57                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 08/31/99 | 52.07                   | 8.51                           | 43.56                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 03/28/00 | 52.07                   | 3.31                           | 48.76                              | 100 <sup>1</sup> | <0.5              | 1.6               | <0.5                   | <0.5                    |
| MW-14     | 10/11/00 | 52.07                   | 7.57                           | 44.50                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 12/07/00 | 52.07                   | 4.02                           | 48.05                              | 150              | <0.5              | 3.9               | 1.7                    | 12                      |
| MW-14     | 02/22/01 | 52.07                   | 2.92                           | 49.15                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 05/08/01 | 52.07                   | 4.73                           | 47.34                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 09/26/01 | 52.07                   | 7.27                           | 44.80                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 12/12/01 | 52.07                   | 3.37                           | 48.70                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 03/12/02 | 52.07                   | 3.48                           | 48.59                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 05/21/02 | 52.07                   | 5.01                           | 47.06                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |

TABLE 1  
 SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA  
 FORTUNA MAINTENANCE STATION  
 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>(µg/l) | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethylbenzene<br>(µg/l) | Total Xylenes<br>(µg/l) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|----------------|-------------------|-------------------|------------------------|-------------------------|
| MW-14     | 08/28/02 | 52.07                   | 8.60                           | 43.47                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 11/20/02 | 52.07                   | 7.64                           | 44.43                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 02/18/03 | 52.07                   | 3.71                           | 48.36                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-14     | 05/13/03 | 52.07                   | 3.04                           | 49.03                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 08/19/03 | 52.07                   | 5.81                           | 46.26                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-14     | 11/19/03 | 52.07                   | 5.54                           | 46.53                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 03/03/04 | 52.07                   | 2.98                           | 49.09                              | ---            | ---               | ---               | ---                    | ---                     |
| MW-14     | 04/28/04 | 52.07                   | 4.58                           | 47.49                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 09/16/04 | 52.07                   | 7.63                           | 44.44                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 02/10/05 | 52.07                   | 3.86                           | 48.21                              | <50            | 0.52              | <0.5              | <0.5                   | <0.5                    |
| MW-14     | 05/12/05 | 52.07                   | 3.38                           | 48.69                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-15     | 10/11/00 | 54.47                   | 6.71                           | 47.76                              | 2,800          | 180               | 140               | 59                     | 319                     |
| MW-15     | 12/07/00 | 54.47                   | 6.23                           | 48.24                              | 2,800          | 590               | 15                | 92                     | 25                      |
| MW-15     | 02/23/01 | 54.47                   | 4.29                           | 50.18                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-15     | 05/08/01 | 54.47                   | 4.07                           | 50.40                              | 260            | 18                | <0.5              | 2.4                    | 1.0                     |
| MW-15     | 09/26/01 | 54.47                   | 6.80                           | 47.67                              | 86             | 2.1               | 1.0               | 0.67                   | <0.5                    |
| MW-15     | 12/12/01 | 54.47                   | 5.36                           | 49.11                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-15     | 03/12/02 | 54.47                   | 3.26                           | 51.21                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-15     | 05/21/02 | 54.47                   | 3.71                           | 50.76                              | 120            | <0.5              | <0.5              | 0.67                   | 0.66                    |
| MW-15     | 08/28/02 | 54.47                   | 6.25                           | 48.22                              | 71             | 1.3               | 2.1               | <0.5                   | 0.58                    |
| MW-15     | 11/20/02 | 54.47                   | 7.48                           | 46.99                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-15     | 02/18/03 | 54.47                   | 3.22                           | 51.25                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-15     | 05/13/03 | 54.47                   | 1.89                           | 52.58                              | 110            | 17                | 21                | 1.1                    | 9.2                     |
| MW-15     | 08/19/03 | 54.47                   | 4.69                           | 49.78                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-15     | 11/19/03 | 54.47                   | 5.81                           | 48.66                              | <50            | 0.8               | <0.5              | <0.5                   | <0.5                    |
| MW-15     | 03/03/04 | 54.47                   | 1.96                           | 52.51                              | 390            | 110               | 52                | 1.4                    | 21                      |
| MW-15     | 04/28/04 | 54.47                   | 2.88                           | 51.59                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-15     | 09/16/04 | 54.47                   | 6.21                           | 48.26                              | 120            | 1.5               | <0.5              | <0.5                   | <0.5                    |
| MW-15     | 02/10/05 | 54.47                   | 3.28                           | 51.19                              | <50            | 1.2               | <0.5              | <0.5                   | <0.5                    |
| MW-15     | 05/12/05 | 54.47                   | 2.37                           | 52.10                              | <50            | <0.5              | <0.5              | <0.5                   | <0.5                    |
| MW-16     | 10/11/00 | 53.75                   | 7.88                           | 45.87                              | 6,000          | 520               | 800               | 76                     | 620                     |
| MW-16     | 12/07/00 | 53.75                   | 6.53                           | 47.22                              | 76,000         | 8,100             | 15,000            | 920                    | 6,400                   |
| MW-16     | 02/23/01 | 53.75                   | 5.00                           | 48.75                              | 24,000         | 4,100             | 4,300             | 310                    | 1,600                   |
| MW-16     | 05/08/01 | 53.75                   | 4.84                           | 48.91                              | 3,000          | 790               | 350               | 110                    | 440                     |
| MW-16     | 09/26/01 | 53.75                   | 7.91                           | 45.84                              | 20,000         | 5,500             | 2,800             | 130                    | 2,100                   |
| MW-16     | 12/12/01 | 53.75                   | 5.32                           | 48.43                              | 8,900          | 1,100             | 950               | 130                    | 690                     |

TABLE 1  
 SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA  
 FORTUNA MAINTENANCE STATION  
 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>(µg/l)       | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethylbenzene<br>(µg/l) | Total Xylenes<br>(µg/l) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|----------------------|-------------------|-------------------|------------------------|-------------------------|
| MW-16     | 03/12/02 | 53.75                   | 3.62                           | 50.13                              | 9,400                | 2,900             | 1,600             | 26                     | 1,100                   |
| MW-16     | 05/21/02 | 53.75                   | 5.02                           | 48.73                              | 21,000               | 3,200             | 2,500             | 330                    | 1,800                   |
| MW-16     | 08/28/02 | 53.75                   | 7.38                           | 46.37                              | 6,500                | 960               | 1,200             | 61                     | 670                     |
| MW-16     | 11/20/02 | 53.75                   | 7.91                           | 45.84                              | 6,300                | 2,100             | 700               | <10                    | 350                     |
| MW-16     | 02/18/03 | 53.75                   | 4.81                           | 48.94                              | 8,200                | 2,100             | 2,200             | 130                    | 1,500                   |
| MW-16     | 05/13/03 | 53.75                   | 2.65                           | 51.10                              | 24,000               | 4,000             | 4,500             | 200                    | 3,100                   |
| MW-16     | 08/19/03 | 53.75                   | 5.64                           | 48.11                              | 58,000               | 5,800             | 9,500             | 510                    | 7,100                   |
| MW-16     | 11/19/03 | 53.75                   | 6.56                           | 47.19                              | 89,000               | 7,720             | 13,800            | 810                    | 11,400                  |
| MW-16     | 03/03/04 | 53.75                   | 4.02                           | 49.73                              | <500                 | 5.3               | 6.6               | <5.0                   | 8.1                     |
| MW-16     | 04/28/04 | 53.75                   | 3.51                           | 50.24                              | 40,000               | 5,200             | 10,000            | 200                    | 8,200                   |
| MW-16     | 09/16/04 | 53.75                   | ---                            | ---                                | Sample not collected |                   |                   |                        |                         |
| MW-16     | 02/10/05 | 53.75                   | 3.74                           | 50.01                              | 42,000               | 5,000             | 5,100             | 370                    | 5,500                   |
| MW-16     | 05/12/05 | 53.75                   | 3.16                           | 50.59                              | 31,000               | 3,800             | 2,500             | 280                    | 3,400                   |
| DW-1      | 06/04/90 | 54.14                   | ---                            | ---                                | ND                   | 0.4               | ND                | ND                     | ND                      |
| DW-1      | 11/20/90 | 54.14                   | 14.40                          | 39.74                              | <1                   | <0.3              | <0.3              | <0.3                   | <0.6                    |
| DW-1      | 04/15/91 | 54.14                   | ---                            | ---                                | ND                   | ND                | ND                | ND                     | ND                      |
| DW-1      | 05/19/93 | 54.14                   | ---                            | ---                                | ND                   | ND                | ND                | ND                     | ND                      |
| DW-1      | 11/17/93 | 54.14                   | ---                            | ---                                | ND                   | ND                | ND                | ND                     | ND                      |
| DW-1      | 05/18/94 | 54.14                   | 12.61                          | 41.53                              | ND                   | ND                | ND                | ND                     | ND                      |
| DW-1      | 09/19/95 | 54.14                   | 14.67                          | 39.47                              | <50                  | 0.59              | 0.61              | <0.3                   | <0.3                    |
| DW-1      | 03/19/96 | 54.14                   | 10.63                          | 43.51                              | <50                  | <0.3              | <0.3              | <0.3                   | <0.3                    |
| DW-1      | 09/26/96 | 54.14                   | 15.01                          | 39.13                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 03/03/97 | 54.14                   | 10.48                          | 43.66                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 09/24/97 | 54.14                   | 14.23                          | 39.91                              | <50                  | 0.67              | 0.59              | <0.5                   | 2.1                     |
| DW-1      | 04/08/98 | 54.14                   | 9.15                           | 44.99                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 10/07/98 | 54.14                   | 13.60                          | 40.54                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 03/17/99 | 54.14                   | 9.07                           | 45.07                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 08/31/99 | 54.14                   | 14.68                          | 39.46                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 03/29/00 | 54.14                   | 3.22                           | 50.92                              | 100 <sup>1</sup>     | 0.6               | 0.8               | <0.5                   | <0.5                    |
| DW-1      | 10/11/00 | 54.14                   | 14.15                          | 39.99                              | <50                  | <0.5              | <0.5              | <0.5                   | 0.58                    |
| DW-1      | 12/07/00 | 54.14                   | 5.93                           | 48.21                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 02/22/01 | 54.14                   | 11.52                          | 42.62                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 05/08/01 | 54.14                   | 11.34                          | 42.80                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 09/26/01 | 54.14                   | 14.20                          | 39.94                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 12/12/01 | 54.14                   | 12.89                          | 41.25                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 03/12/02 | 54.14                   | 10.43                          | 43.71                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 05/21/02 | 54.14                   | 11.25                          | 42.89                              | <50                  | <0.5              | <0.5              | <0.5                   | <0.5                    |

TABLE 1  
 SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA  
 FORTUNA MAINTENANCE STATION  
 FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>(µg/l)   | Benzene<br>(µg/l) | Toluene<br>(µg/l) | Ethylbenzene<br>(µg/l) | Total Xylenes<br>(µg/l) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|------------------|-------------------|-------------------|------------------------|-------------------------|
| DW-1      | 08/28/02 | 54.14                   | 14.04                          | 40.10                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 11/20/02 | 54.14                   | 14.10                          | 40.04                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 02/18/03 | 54.14                   | 10.89                          | 43.25                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 05/13/03 | 54.14                   | 9.09                           | 45.05                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 08/19/03 | 54.14                   | 14.36                          | 39.78                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 11/19/03 | 54.14                   | 13.64                          | 40.50                              | <50              | 0.5               | 0.8               | <0.5                   | 2                       |
| DW-1      | 03/03/04 | 54.14                   | 9.51                           | 44.63                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 04/28/04 | 54.14                   | 10.61                          | 43.53                              | <50              | <0.5              | <0.5              | 0.70                   | <0.5                    |
| DW-1      | 09/16/04 | 54.14                   | 14.15                          | 39.99                              | 94               | <0.5              | <0.5              | 0.73                   | 2.53                    |
| DW-1      | 02/10/05 | 54.14                   | 10.87                          | 43.27                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| DW-1      | 05/12/05 | 54.14                   | 10.06                          | 44.08                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 06/04/90 | 54.38                   | ---                            | ---                                | 1,400            | 1,100             | 0.7               | 2.0                    | 0.6                     |
| PW-1      | 09/19/95 | 54.38                   | 9.37                           | 45.01                              | 300              | 540               | 8.0               | <1.5                   | 2.2                     |
| PW-1      | 03/19/96 | 54.38                   | 2.47                           | 51.91                              | ---              | ---               | ---               | ---                    | ---                     |
| PW-1      | 09/26/96 | 54.38                   | 7.79                           | 46.59                              | ---              | ---               | ---               | ---                    | ---                     |
| PW-1      | 03/03/97 | 54.38                   | 2.98                           | 51.40                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 09/24/97 | 54.38                   | 7.50                           | 46.88                              | ---              | ---               | ---               | ---                    | ---                     |
| PW-1      | 04/08/98 | 54.38                   | 1.60                           | 52.78                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 03/17/99 | 54.38                   | 2.11                           | 52.27                              | <50              | 1.6               | <0.5              | 0.7                    | <0.5                    |
| PW-1      | 08/31/99 | 54.38                   | 7.75                           | 46.63                              | <50              | 1.0               | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 03/29/00 | 54.38                   | 2.91                           | 51.47                              | 100 <sup>1</sup> | 0.5               | 1.0               | <0.5                   | <0.5                    |
| PW-1      | 10/10/00 | 54.38                   | 8.00                           | 46.38                              | 270              | 12                | 14                | 2.2                    | 11.4                    |
| PW-1      | 12/07/00 | 54.38                   | 5.62                           | 48.76                              | 180              | 1.9               | 2.3               | 1.8                    | 3.6                     |
| PW-1      | 02/23/01 | 54.38                   | 6.75                           | 47.63                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 05/08/01 | 54.38                   | 6.17                           | 48.21                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 09/26/01 | 54.38                   | 8.40                           | 45.98                              | 430              | <0.5              | <0.5              | 0.98                   | 0.68                    |
| PW-1      | 12/12/01 | 54.38                   | 5.04                           | 49.34                              | <50              | 1.4               | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 03/12/02 | 54.38                   | 3.21                           | 51.17                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 05/21/02 | 54.38                   | 4.61                           | 49.77                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 08/28/02 | 54.38                   | 7.82                           | 46.56                              | 260              | 4.0               | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 11/20/02 | 54.38                   | 8.62                           | 45.76                              | 280              | 1.7               | 0.94              | <0.5                   | <0.5                    |
| PW-1      | 02/18/03 | 54.38                   | 3.70                           | 50.68                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 05/13/03 | 54.38                   | 2.14                           | 52.24                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 08/19/03 | 54.38                   | 5.96                           | 48.42                              | 190              | <0.5              | <0.5              | 0.7                    | <0.5                    |
| PW-1      | 11/19/03 | 54.38                   | 6.44                           | 47.94                              | <50              | 0.8               | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 03/03/04 | 54.38                   | 1.96                           | 52.42                              | <50              | <0.5              | <0.5              | <0.5                   | <0.5                    |
| PW-1      | 04/28/04 | 54.38                   | 4.72                           | 49.66                              | <50              | 0.60              | 0.80              | <0.5                   | 0.70                    |

TABLE 1  
SUMMARY OF GROUNDWATER ELEVATION AND ANALYTICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | DATE     | TOC ELEVATION<br>(feet) | GROUNDWATER<br>DEPTH<br>(feet) | GROUNDWATER<br>ELEVATION<br>(feet) | TPHg<br>( $\mu\text{g/l}$ ) | Benzene<br>( $\mu\text{g/l}$ ) | Toluene<br>( $\mu\text{g/l}$ ) | Ethylbenzene<br>( $\mu\text{g/l}$ ) | Total Xylenes<br>( $\mu\text{g/l}$ ) |
|-----------|----------|-------------------------|--------------------------------|------------------------------------|-----------------------------|--------------------------------|--------------------------------|-------------------------------------|--------------------------------------|
| PW-1      | 09/16/04 | 54.38                   | 6.32                           | 48.06                              | 220                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| PW-1      | 02/10/05 | 54.38                   | 3.59                           | 50.79                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |
| PW-1      | 05/12/05 | 54.38                   | 2.56                           | 51.82                              | <50                         | <0.5                           | <0.5                           | <0.5                                | <0.5                                 |

Note:

$\mu\text{g/l}$  = Micrograms per liter

--- = Not tested or not available

<, ND = Less than laboratory test method detection limit

1 = Laboratory report notation "Samples contains hydrocarbons that do not match the gasoline pattern.

However, quantitation is based on a gasoline standard."

TABLE 2  
SUMMARY OF ANALYTICAL DATA - FUEL OXYGENATES  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | SAMPLE DATE | MTBE (8020/8260)<br>(ug/l) | TBA (8020/8260)<br>(ug/l) | ETBE (8020/8260)<br>(ug/l) | DIPE (8020/8260)<br>(ug/l) | TAME (8020/8260)<br>(ug/l) | Methanol (8020)<br>(ug/l) | Ethanol (8020)<br>(ug/l) |
|-----------|-------------|----------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|
| MW-1      | 03/03/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-1      | 04/07/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-1      | 03/16/99    | <0.5                       | <200                      | <5                         | <5                         | <5                         | ---                       | ---                      |
| MW-1      | 03/28/00    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-1      | 02/23/01    | ---/<2.0                   | ---/<10                   | ---/5.0                    | ---/5.0                    | ---/5.0                    | ---                       | ---                      |
| MW-1      | 05/08/01    | ---/<2.0                   | ---/<10                   | ---/5.0                    | ---/5.0                    | ---/5.0                    | <50,000                   | <1,000                   |
| MW-2      | 03/03/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-2      | 04/07/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-2      | 03/16/99    | <0.5                       | <200                      | <5                         | <5                         | <5                         | ---                       | ---                      |
| MW-2      | 10/10/00    | ---/<5                     | ---/200                   | ---/5                      | ---/5                      | ---/5                      | ---                       | ---                      |
| MW-2      | 12/07/00    | ---/2                      | ---/10                    | ---/5                      | ---/5                      | ---/5                      | <50,000                   | <1,000                   |
| MW-2      | 02/23/01    | ---/<2.0                   | ---/10                    | ---/5.0                    | ---/5.0                    | ---/5.0                    | ---                       | ---                      |
| MW-2      | 05/08/01    | ---/<2.0                   | ---/10                    | ---/5.0                    | ---/5.0                    | ---/5.0                    | <50,000                   | <1,000                   |
| MW-3      | 03/03/97    | 4.4                        | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-3      | 09/24/97    | 1.5                        | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-3      | 04/08/98    | 7.5                        | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-3      | 10/07/98    | 0.9                        | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-3      | 03/16/99    | <0.5/<5                    | 13,800/<100               | 150/<5                     | <5/<5                      | 213/<5                     | ---                       | ---                      |
| MW-3      | 03/28/00    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-3      | 10/11/00    | ---/<5                     | ---/200                   | ---/5                      | ---/5                      | ---/5                      | ---                       | ---                      |
| MW-3      | 02/23/01    | ---/<2.0                   | ---/10                    | ---/5.0                    | ---/5.0                    | ---/5.0                    | ---                       | ---                      |
| MW-3      | 05/08/01    | ---/<2.0                   | ---/10                    | ---/5.0                    | ---/5.0                    | ---/5.0                    | <50,000                   | <1,000                   |
| MW-5      | 03/03/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-5      | 09/24/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-5      | 04/07/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-5      | 10/06/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-5      | 03/16/99    | <0.5                       | <200                      | <5                         | <5                         | <5                         | ---                       | ---                      |
| MW-5      | 03/28/00    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-5      | 02/23/01    | Not Accessible             | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-5      | 05/08/01    |                            | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-6      | 03/03/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-6      | 04/08/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |

TABLE 2  
SUMMARY OF ANALYTICAL DATA - FUEL OXYGENATES  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | SAMPLE DATE | MTBE (8020/8260)<br>(ug/l) | TBA (8020/8260)<br>(ug/l) | ETBE (8020/8260)<br>(ug/l) | DIPE (8020/8260)<br>(ug/l) | TAME (8020/8260)<br>(ug/l) | Methanol (8020)<br>(ug/l) | Ethanol (8020)<br>(ug/l) |
|-----------|-------------|----------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|
| MW-6      | 03/17/99    | <0.5                       | <200                      | <5                         | <5                         | <5                         | ---                       | ---                      |
| MW-6      | 03/29/00    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-6      | 10/10/00    | ---<5                      | ---<200                   | ---<5                      | ---<5                      | ---<5                      | ---                       | ---                      |
| MW-6      | 12/07/00    | ---<2                      | ---<10                    | ---<5                      | ---<5                      | ---<5                      | <50,000                   | <1,000                   |
| MW-6      | 02/22/01    | ---<2.0                    | ---<10                    | ---<5.0                    | ---<5.0                    | ---<5.0                    | ---                       | ---                      |
| MW-6      | 05/08/01    | ---<2.0                    | ---<10                    | ---<5.0                    | ---<5.0                    | ---<5.0                    | <50,000                   | <1,000                   |
| MW-7      | 03/03/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-7      | 04/08/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-7      | 03/16/99    | <0.5                       | <200                      | <5                         | <5                         | <5                         | ---                       | ---                      |
| MW-8      | 03/03/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-8      | 04/07/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-8      | 03/16/99    | <0.5                       | <200                      | <5                         | <5                         | <5                         | ---                       | ---                      |
| MW-8      | 10/11/00    | ---<5                      | ---<200                   | ---<5                      | ---<5                      | ---<5                      | ---                       | ---                      |
| MW-8      | 12/07/00    | ---<2                      | ---<10                    | ---<5                      | ---<5                      | ---<5                      | <50,000                   | <1,000                   |
| MW-8      | 02/22/01    | ---<2.0                    | ---<10                    | ---<5.0                    | ---<5.0                    | ---<5.0                    | ---                       | ---                      |
| MW-8      | 05/08/01    | ---<2.0                    | ---<10                    | ---<5.0                    | ---<5.0                    | ---<5.0                    | <50,000                   | <1,000                   |
| MW-9      | 03/03/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-9      | 04/08/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-9      | 03/16/99    | 5.6/<5                     | 12,400/<100               | 122/<5                     | <5/<5                      | 201/<5                     | ---                       | ---                      |
| MW-9      | 03/28/00    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-10     | 03/03/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-10     | 04/08/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-10     | 03/16/99    | <0.5/<5                    | 319/<100                  | <5/<5                      | <5/<5                      | 7.9/<5                     | ---                       | ---                      |
| MW-10     | 03/29/00    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-10     | 10/10/00    | ---<5                      | ---<200                   | ---<5                      | ---<5                      | ---<5                      | ---                       | ---                      |
| MW-10     | 12/07/00    | ---<2                      | ---<10                    | ---<5                      | ---<5                      | ---<5                      | <50,000                   | <1,000                   |
| MW-10     | 02/22/01    | ---<2.0                    | ---<10                    | ---<5.0                    | ---<5.0                    | ---<5.0                    | ---                       | ---                      |
| MW-10     | 05/08/01    | ---<2.0                    | ---<10                    | ---<5.0                    | ---<5.0                    | ---<5.0                    | <50,000                   | <1,000                   |
| MW-11     | 03/04/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-11     | 04/08/98    | 40                         | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-11     | 03/17/99    | <0.5/<5                    | 111,000/<100              | 811/<5                     | <5/<5                      | 530/<5                     | ---                       | ---                      |

TABLE 2  
SUMMARY OF ANALYTICAL DATA - FUEL OXYGENATES  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | SAMPLE DATE | MTBE (8020/8260)<br>(ug/l) | TBA (8020/8260)<br>(ug/l) | ETBE (8020/8260)<br>(ug/l) | DIPE (8020/8260)<br>(ug/l) | TAME (8020/8260)<br>(ug/l) | Methanol (8020)<br>(ug/l) | Ethanol (8020)<br>(ug/l) |
|-----------|-------------|----------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|
| MW-11     | 03/29/00    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-11     | 10/10/00    | ---/<5                     | ---/<200                  | ---/<5                     | ---/<5                     | ---/<5                     | ---                       | ---                      |
| MW-11     | 12/07/00    | ---/<2                     | ---/<10                   | ---/<5                     | ---/<5                     | ---/<5                     | <50,000                   | <1,000                   |
| MW-11     | 02/23/01    | ---/<2.0                   | ---/<10                   | ---/<5.0                   | ---/<5.0                   | ---/<5.0                   | ---                       | ---                      |
| MW-11     | 05/08/01    | ---/<2.0                   | ---/<10                   | ---/<5.0                   | ---/<5.0                   | ---/<5.0                   | <50,000                   | <1,000                   |
| MW-12     | 03/04/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-12     | 04/08/98    | 1                          | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-12     | 03/17/99    | <0.5                       | <200                      | <5                         | <5                         | <5                         | ---                       | ---                      |
| MW-12     | 10/10/00    | ---/<5                     | ---/<200                  | ---/<5                     | ---/<5                     | ---/<5                     | ---                       | ---                      |
| MW-12     | 12/07/00    | ---/<2                     | ---/<10                   | ---/<5                     | ---/<5                     | ---/<5                     | <50,000                   | <1,000                   |
| MW-12     | 02/22/01    | ---/<2.0                   | ---/<10                   | ---/<5.0                   | ---/<5.0                   | ---/<5.0                   | ---                       | ---                      |
| MW-12     | 05/08/01    | ---/<2.0                   | ---/<10                   | ---/<5.0                   | ---/<5.0                   | ---/<5.0                   | <50,000                   | <1,000                   |
| MW-13     | 03/04/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-13     | 09/24/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-13     | 04/08/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-13     | 10/07/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-13     | 03/16/99    | <0.5                       | <200                      | <5                         | <5                         | <5                         | ---                       | ---                      |
| MW-13     | 03/29/00    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-13     | 10/11/00    | ---/<5                     | ---/<200                  | ---/<5                     | ---/<5                     | ---/<5                     | ---                       | ---                      |
| MW-13     | 12/07/00    | ---/<2                     | ---/<10                   | ---/<5                     | ---/<5                     | ---/<5                     | <50,000                   | <1,000                   |
| MW-13     | 02/22/01    | ---/<2.0                   | ---/<10                   | ---/<5.0                   | ---/<5.0                   | ---/<5.0                   | ---                       | ---                      |
| MW-13     | 05/08/01    | ---/<2.0                   | ---/<10                   | ---/<5.0                   | ---/<5.0                   | ---/<5.0                   | <50,000                   | <1,000                   |
| MW-14     | 03/04/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-14     | 09/24/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-14     | 04/07/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-14     | 10/07/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-14     | 03/16/99    | <0.5                       | <200                      | <5                         | <5                         | <5                         | ---                       | ---                      |
| MW-14     | 03/28/00    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| MW-14     | 10/11/00    | ---/<5                     | ---/<200                  | ---/<5                     | ---/<5                     | ---/<5                     | ---                       | ---                      |
| MW-14     | 12/07/00    | ---/<2                     | ---/<10                   | ---/<5                     | ---/<5                     | ---/<5                     | <50,000                   | <1,000                   |
| MW-14     | 02/22/01    | ---/<2.0                   | ---/<10                   | ---/<5.0                   | ---/<5.0                   | ---/<5.0                   | ---                       | ---                      |
| MW-14     | 05/08/01    | ---/<2.0                   | ---/<10                   | ---/<5.0                   | ---/<5.0                   | ---/<5.0                   | <50,000                   | <1,000                   |

TABLE 2  
SUMMARY OF ANALYTICAL DATA - FUEL OXYGENATES  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE ID | SAMPLE DATE | MTBE (8020/8260)<br>(ug/l) | TBA (8020/8260)<br>(ug/l) | ETBE (8020/8260)<br>(ug/l) | DIPE (8020/8260)<br>(ug/l) | TAME (8020/8260)<br>(ug/l) | Methanol (8020)<br>(ug/l) | Ethanol (8020)<br>(ug/l) |
|-----------|-------------|----------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|
| MW-15     | 10/11/00    | ---/ <5                    | ---/ <200                 | ---/ <5                    | ---/ <5                    | ---/ <5                    | ---                       | ---                      |
| MW-15     | 12/07/00    | ---/ <20                   | ---/ <100                 | ---/ <50                   | ---/ <50                   | ---/ <50                   | <500,000                  | <10,000                  |
| MW-15     | 02/23/01    | ---/ <2.0                  | ---/ <10                  | ---/ <5.0                  | ---/ <5.0                  | ---/ <5.0                  | ---                       | ---                      |
| MW-15     | 05/08/01    | ---/ <2.0                  | ---/ <10                  | ---/ <5.0                  | ---/ <5.0                  | ---/ <5.0                  | <50,000                   | <1,000                   |
| MW-16     | 10/11/00    | ---/ <5                    | ---/ <200                 | ---/ <5                    | ---/ <5                    | ---/ <5                    | ---                       | ---                      |
| MW-16     | 12/07/00    | ---/ <200                  | ---/ <1,000               | ---/ <500                  | ---/ <500                  | ---/ <500                  | <5,000,000                | <100,000                 |
| MW-16     | 02/23/01    | ---/ <2.0                  | ---/ <10                  | ---/ <5.0                  | ---/ <5.0                  | ---/ <5.0                  | ---                       | ---                      |
| MW-16     | 05/08/01    | ---/ <2.0                  | ---/ <10                  | ---/ <5.0                  | ---/ <5.0                  | ---/ <5.0                  | <50,000                   | <1,000                   |
| DW-1      | 03/03/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| DW-1      | 09/24/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| DW-1      | 04/08/98    | 0.99                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| DW-1      | 10/07/98    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| DW-1      | 03/17/99    | <0.5                       | <200                      | <5                         | <5                         | <5                         | ---                       | ---                      |
| DW-1      | 03/29/00    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| DW-1      | 10/11/00    | ---/ <5                    | ---/ <200                 | ---/ <5                    | ---/ <5                    | ---/ <5                    | ---                       | ---                      |
| DW-1      | 12/07/00    | ---/ <2                    | ---/ <10                  | ---/ <5                    | ---/ <5                    | ---/ <5                    | <50,000                   | <1,000                   |
| DW-1      | 02/23/01    | ---/ <2.0                  | ---/ <10                  | ---/ <5.0                  | ---/ <5.0                  | ---/ <5.0                  | ---                       | ---                      |
| DW-1      | 05/08/01    | ---/ <2.0                  | ---/ <10                  | ---/ <5.0                  | ---/ <5.0                  | ---/ <5.0                  | <50,000                   | <1,000                   |
| PW-1      | 03/03/97    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| PW-1      | 04/08/98    | 0.56                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| PW-1      | 03/17/99    | <0.5                       | <200                      | <5                         | <5                         | 14                         | ---                       | ---                      |
| PW-1      | 03/29/00    | <0.5                       | ---                       | ---                        | ---                        | ---                        | ---                       | ---                      |
| PW-1      | 10/10/00    | ---/ <5                    | ---/ <200                 | ---/ <5                    | ---/ <5                    | ---/ <5                    | ---                       | ---                      |
| PW-1      | 12/07/00    | ---/ <2                    | ---/ <10                  | ---/ <5                    | ---/ <5                    | ---/ <5                    | <50,000                   | <1,000                   |
| PW-1      | 02/23/01    | ---/ <2.0                  | ---/ <10                  | ---/ <5.0                  | ---/ <5.0                  | ---/ <5.0                  | ---                       | ---                      |
| PW-1      | 05/08/01    | ---/ <2.0                  | ---/ <10                  | ---/ <5.0                  | ---/ <5.0                  | ---/ <5.0                  | <50,000                   | <1,000                   |

Notes:

ug/l = Micrograms per liter

--- = Not Analyzed

&lt; = Less than laboratory test method detection limit

MTBE = Methyl tert-butyl ether

TBA = Tert-butanol

ETBE = Ethyl tert-butyl ether

DIPE = Di-isopropyl ether

TAME = Tert-amyl methyl ether

TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE I.D. | DATE     | CARBON DIOXIDE (ug/l) | METHANE (ug/l) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|-------------|----------|-----------------------|----------------|-------------|------------------|----------------|-------------------|----------------|------------|------------|-----------|
| MW-1        | 02/23/01 | 130,000               | 470            | 0.154       | 0.036            | <1.0           | 80                | <0.050         | <10        | <3.0       | 8.1       |
| MW-1        | 05/08/01 | 65,000                | 290            | 0.186       | 0.054            | 9.65           | 76                | 0.378          | <10        | <3.0       | ---       |
| MW-1        | 09/26/01 | 63,000                | 910            | 0.133       | 0.093            | <50            | 76                | <2.5           | 16         | <3.0       | 6.0       |
| MW-1        | 12/12/01 | 140,000               | 820            | 0.226       | <0.015           | 11.7           | 44                | 4.40           | <10        | 4.2        | 2.70      |
| MW-1        | 03/12/02 | 170,000               | 456            | 0.123       | <0.015           | 10.0           | 58                | 1.60           | 23         | <3.0       | 1.32      |
| MW-1        | 05/21/02 | 89,000                | 1,870          | <0.10       | <0.015           | 54.0           | 72                | 7.60           | 11         | <3.0       | 2.12      |
| MW-1        | 08/28/02 | 103,000               | 1,740          | 3.7         | 0.034            | 14.0           | 64                | 5.70           | 60         | <3.0       | 0.29      |
| MW-1        | 11/20/02 | 55,800                | 1,170          | 0.33        | <0.015           | 12.0           | 60                | 2.10           | 14         | <3.0       | 1.56      |
| MW-1        | 02/18/03 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | 4.99      |
| MW-1        | 05/13/03 | 90,000                | 2,000          | <0.10       | <0.015           | 11.0           | 80                | <0.050         | 19         | <3.0       | 0.56      |
| MW-1        | 08/19/03 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | ---       |
| MW-1        | 11/19/03 | 101,000               | 2,400          | <0.10       | 0.069            | 8.5            | 90                | 1.0            | <10        | <3.0       | 0.79      |
| MW-1        | 03/03/04 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | ---       |
| MW-1        | 04/28/04 | 74,000                | 1,000          | <0.10       | <0.015           | 28.0           | 96                | <0.050         | 22         | <3.0       | 0.67      |
| MW-1        | 09/16/04 | ---                   | ---            | <0.50       | <0.50            | 15             | 100               | 0.75           | 19         | <5.0       | 0.00      |
| MW-1        | 02/10/05 | 53,000                | <1.0           | <0.50       | <0.50            | 15             | 64                | 0.62           | 24         | <5.0       | 1.71      |
| MW-1        | 05/12/05 | 49,000                | <1.0           | <0.50       | <0.50            | 18             | 72                | 0.70           | 22         | <5.0       | 0.45      |
| MW-2        | 10/10/00 | 160,000               | 475            | 31          | 2.2              | 6.3            | 200               | <0.5           | 12         | <5         | 2.8       |
| MW-2        | 12/07/00 | ---                   | ---            | 40          | 3.1              | 3.94           | 46                | 0.124          | 35         | 3.3        | 19.3      |
| MW-2        | 02/23/01 | 240,000               | 360            | 0.2         | 0.043            | 4.93           | 130               | 0.298          | <10        | 3.5        | 2.9       |
| MW-2        | 05/08/01 | 140,000               | 510            | 19.8        | 1.33             | 5.06           | 120               | 0.560          | <10        | 3.7        | ---       |
| MW-2        | 09/26/01 | 190,000               | 150            | 17.8        | 1.93             | 5.86           | 116               | 1.43           | 20         | <3.0       | 5.0       |
| MW-2        | 12/12/01 | 200,000               | 201            | 2.00        | 1.84             | 4.90           | 168               | 1.10           | <10        | 3.6        | 0.68      |
| MW-2        | 03/12/02 | 180,000               | 241            | 3.80        | 2.50             | 2.50           | 198               | 1.50           | 29         | 7.6        | 1.07      |
| MW-2        | 05/21/02 | 210,000               | 268            | <0.10       | 0.041            | 4.10           | 146               | 1.10           | 25         | <3.0       | 1.81      |
| MW-2        | 08/28/02 | 180,000               | 358            | 0.14        | 1.3              | 4.60           | 134               | 0.990          | 44         | <3.0       | 0.73      |
| MW-2        | 11/20/02 | 106,000               | 133            | 0.50        | 1.0              | 4.70           | 116               | 1.00           | 10         | <3.0       | 1.21      |
| MW-2        | 02/18/03 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | 1.58      |
| MW-2        | 05/13/03 | 176,000               | 241            | 5.24        | 1.63             | 3.76           | 156               | <0.050         | 21         | <3.0       | 0.23      |
| MW-2        | 08/19/03 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | ---       |
| MW-2        | 11/19/03 | 211,000               | 288            | 4.23        | 1.62             | 4.5            | 96                | 1.1            | 40         | <3.0       | 0.79      |
| MW-2        | 03/03/04 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | ---       |
| MW-2        | 04/28/04 | 70,000                | 100            | 0.381       | 1.54             | 4.20           | 130               | <0.050         | 22         | <3.0       | 0.53      |
| MW-2        | 09/16/04 | ---                   | ---            | 24          | 2.0              | 8.4            | 98                | 0.53           | 32         | <5.0       | 0.00      |
| MW-2        | 02/10/05 | 180,000               | 450            | 31          | 1.9              | 7.2            | 110               | 0.45           | 58         | <5.0       | 0.00      |
| MW-2        | 05/12/05 | 150,000               | 430            | 27          | 1.7              | 8.6            | 110               | 0.71           | 19         | <5.0       | 0.00      |

TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE I.D. | DATE     | CARBON DIOXIDE (ug/l) | METHANE (ug/l) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|-------------|----------|-----------------------|----------------|-------------|------------------|----------------|-------------------|----------------|------------|------------|-----------|
| MW-3        | 10/11/00 | 108,000               | 49             | 6.8         | 0.58             | <0.5           | 220               | <0.5           | 17         | <5         | 0.08      |
| MW-3        | 02/23/01 | 180,000               | 430            | 0.253       | 0.072            | 1.52           | 220               | 0.62           | <10        | <3.0       | 51.2      |
| MW-3        | 05/08/01 | 190,000               | 260            | 6.28        | 0.838            | 1.79           | 190               | <0.05          | 15         | <3.0       | ---       |
| MW-3        | 09/26/01 | 180,000               | 200            | 7.08        | 0.986            | 1.12           | 212               | <0.05          | 27         | <3.0       | 6.0       |
| MW-3        | 12/12/01 | 150,000               | 250            | 0.426       | 1.03             | 15.1           | 190               | 1.20           | 37         | 3.5        | 0.61      |
| MW-3        | 03/12/02 | 180,000               | 209            | <0.10       | 1.20             | 4.20           | 208               | 1.20           | 25         | 5.6        | 0.96      |
| MW-3        | 05/21/02 | 190,000               | 242            | <0.10       | 1.20             | 3.10           | 222               | <0.050         | 13         | <3.0       | 1.97      |
| MW-3        | 08/28/02 | 200,000               | 342            | 0.12        | 0.57             | 1.50           | 220               | <0.050         | 32         | <3.0       | 0.47      |
| MW-3        | 11/20/02 | 110,000               | 143            | 0.44        | 0.62             | 5.97           | 188               | <0.050         | 14         | <3.0       | 1.07      |
| MW-3        | 02/18/03 | 37,000                | 709            | 1.83        | 0.431            | 3.80           | 144               | <0.050         | 43         | <3.0       | 0.47      |
| MW-3        | 05/13/03 | 156,000               | 211            | 0.131       | 0.717            | <1.0           | 196               | <0.050         | 23         | 5.0        | 0.19      |
| MW-3        | 08/19/03 | 27,800                | 1,010          | 3.34        | 0.769            | 1.33           | 201               | 0.61           | <10        | <3.0       | 0.86      |
| MW-3        | 11/19/03 | 187,000               | 225            | <0.10       | 1.02             | 4.00           | 218               | <0.050         | 16         | <3.0       | 0.7       |
| MW-3        | 03/03/04 | 88,000                | 144            | 23.0        | 1.17             | 2.10           | 186               | <0.050         | 28         | <3.0       | 0.91      |
| MW-3        | 04/28/04 | 71,000                | 100            | <0.10       | 1.04             | 2.20           | 204               | <0.050         | 29         | <3.0       | 0.56      |
| MW-3        | 09/16/04 | ---                   | ---            | 4.9         | 0.77             | 3.3            | 200               | 0.38           | 22         | <5.0       | 0.00      |
| MW-3        | 02/10/05 | 160,000               | <1.0           | 3.8         | 1.2              | 3.4            | 200               | 0.42           | 62         | <5.0       | 0.00      |
| MW-3        | 05/12/05 | 180,000               | 97             | 7.8         | 1.2              | 4.0            | 210               | 0.64           | 22         | <5.0       | 0.00      |
| MW-5        | 09/26/01 | 97,000                | <10            | <0.10       | 0.623            | 15.8           | 116               | <0.50          | 16         | <3.0       | 5.0       |
| MW-5        | 12/12/01 | 130,000               | <10            | <0.10       | 0.023            | 13.9           | 106               | 1.0            | <10        | <3.0       | 2.22      |
| MW-5        | 03/12/02 | 120,000               | <10            | <0.10       | 0.031            | 15.3           | 134               | 0.96           | 14         | <3.0       | 0.90      |
| MW-5        | 05/21/02 | 92,000                | <10            | <0.10       | <0.015           | 13             | 126               | <0.050         | <10        | <3.0       | 2.55      |
| MW-5        | 08/28/02 | 99,000                | <10            | <0.10       | <0.015           | 8.4            | 150               | <0.050         | <10        | <3.0       | 0.34      |
| MW-5        | 11/20/02 | 51,100                | <10            | <0.10       | <0.015           | 8.0            | 140               | <0.050         | <10        | <3.0       | 1.38      |
| MW-5        | 02/18/03 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | 3.53      |
| MW-5        | 05/13/03 | 107,000               | <10            | <0.10       | <0.015           | 9.14           | 140               | <0.050         | 13         | <3.0       | 0.36      |
| MW-5        | 08/19/03 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | ---       |
| MW-5        | 11/19/03 | 85,000                | <10            | <0.10       | <0.015           | 9.9            | 140               | <0.050         | <10        | <3.0       | 1.21      |
| MW-5        | 03/03/04 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | ---       |
| MW-5        | 04/28/04 | 42,000                | <10            | <0.10       | <0.015           | 11             | 134               | <0.050         | 11         | <3.0       | 1.08      |
| MW-5        | 09/16/04 | ---                   | ---            | <0.50       | <0.50            | 12             | 130               | 1.1            | 7.7        | <5.0       | 0.00      |
| MW-5        | 02/10/05 | 100,000               | 1.8            | <0.50       | <0.50            | 13             | 140               | 0.36           | 30         | <5.0       | 1.73      |
| MW-5        | 05/12/05 | 100,000               | 4.0            | <0.50       | <0.50            | 13             | 140               | 0.63           | 6.7        | <5.0       | 1.70      |
| MW-6        | 10/10/00 | 72,600                | 3.5            | 0.26        | 0.25             | 16             | 140               | <0.5           | <5         | 6.0        | ---       |
| MW-6        | 12/07/00 | ---                   | ---            | 1.5         | 0.083            | 17.1           | 62                | 2.08           | 192        | <3.0       | 16.3      |
| MW-6        | 02/22/01 | 110,000               | <10            | 0.184       | 0.193            | 17.7           | 46                | <0.050         | <10        | <3.0       | 14.2      |

TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE I.D. | DATE     | CARBON DIOXIDE (ug/l) | METHANE (ug/l) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|-------------|----------|-----------------------|----------------|-------------|------------------|----------------|-------------------|----------------|------------|------------|-----------|
| MW-6        | 05/08/01 | 120,000               | 11             | <0.10       | 0.160            | 367            | 270               | 3.22           | 10         | <3.0       | ---       |
| MW-6        | 09/26/01 | 190,000               | <10            | <0.10       | 0.755            | 15.2           | 232               | <0.50          | <10        | <3.0       | 5.0       |
| MW-6        | 12/12/01 | 140,000               | <10            | <0.10       | 0.416            | 19.3           | 432               | 1.20           | <10        | <3.0       | 0.96      |
| MW-6        | 03/12/02 | 220,000               | <10            | <0.10       | <0.015           | 21             | 328               | 4.67           | 16         | <3.0       | 0.86      |
| MW-6        | 05/21/02 | 180,000               | <10            | <0.10       | <0.015           | 18             | 278               | 4.20           | <10        | <3.0       | 1.91      |
| MW-6        | 08/28/02 | 174,000               | <10            | <0.10       | 0.22             | 16             | 400               | 1.40           | <10        | <3.0       | 0.41      |
| MW-6        | 11/20/02 | 114,000               | <10            | 0.15        | 0.56             | 12             | 360               | 1.16           | 21         | <3.0       | 1.48      |
| MW-6        | 02/18/03 | 78,000                | <10            | 0.144       | <0.015           | 20.8           | 336               | 4.76           | 16         | <3.0       | 0.57      |
| MW-6        | 05/13/03 | 200,000               | <10            | <0.10       | <0.015           | 15.4           | 228               | 5.81           | 15         | <3.0       | 0.29      |
| MW-6        | 08/19/03 | 35,700                | 21             | <0.10       | 0.02             | 15.8           | 276               | 2.13           | <10        | <3.0       | 0.78      |
| MW-6        | 11/19/03 | 189,000               | <10            | <0.10       | 0.13             | 26.5           | 322               | <0.50          | 16         | <3.0       | 0.67      |
| MW-6        | 03/03/04 | 120,000               | <10            | <0.10       | <0.015           | 13.7           | 180               | <0.50          | <10        | 10         | 1.08      |
| MW-6        | 04/28/04 | 81,000                | <10            | <0.10       | <0.015           | 15             | 240               | 2.60           | 18         | <3.0       | 0.60      |
| MW-6        | 09/16/04 | ---                   | ---            | <0.50       | 0.97             | 15             | 310               | 0.50           | 12         | <5.0       | 0.00      |
| MW-6        | 02/10/05 | 79,000                | <1.0           | <0.50       | <0.50            | 19             | 340               | 1.3            | 19         | <5.0       | 0.00      |
| MW-6        | 05/12/05 | 54,000                | <1.0           | <0.50       | <0.50            | 22             | 260               | 1.5            | 20         | <5.0       | 0.00      |
| MW-8        | 10/11/00 | 98,500                | <1.0           | 1.1         | <0.05            | <0.5           | 110               | <0.5           | 13         | 9.0        | 3.2       |
| MW-8        | 12/07/00 | ---                   | ---            | <0.10       | <0.015           | 21.6           | 40                | 2.79           | <10        | <3.0       | 16.3      |
| MW-8        | 02/22/01 | 100,000               | <10            | 1.59        | 0.030            | 18.2           | 42                | 3.52           | <10        | <3.0       | 10.6      |
| MW-8        | 05/08/01 | 100,000               | <10            | 0.395       | 0.040            | 17.8           | 44                | 5.72           | <10        | <3.0       | ---       |
| MW-8        | 09/26/01 | 100,000               | <10            | <0.10       | 0.017            | 16             | 44                | 8.93           | <10        | <3.0       | 5.0       |
| MW-8        | 12/12/01 | 110,000               | <10            | 0.291       | <0.015           | 18.8           | 40                | 12.4           | 35         | <3.0       | 2.52      |
| MW-8        | 03/12/02 | 130,000               | <10            | <0.10       | <0.015           | 16             | 38                | 15.0           | <10        | <3.0       | 1.01      |
| MW-8        | 05/21/02 | 100,000               | <10            | <0.10       | <0.015           | 16             | 52                | 14.0           | 18         | <3.0       | 2.01      |
| MW-8        | 08/28/02 | 100,000               | <10            | 0.11        | <0.015           | 18             | 56                | 12.0           | 20         | <3.0       | 0.14      |
| MW-8        | 11/20/02 | 45,200                | <10            | 0.13        | <0.015           | 17             | 46                | 10.0           | <10        | <3.0       | 1.36      |
| MW-8        | 02/18/03 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | 2.94      |
| MW-8        | 05/13/03 | 93,000                | <10            | <0.10       | <0.015           | 17.8           | 40                | 8.84           | 15         | <3.0       | 0.20      |
| MW-8        | 08/19/03 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | ---       |
| MW-8        | 11/19/03 | 111,000               | <10            | 0.143       | <0.015           | 32             | 40                | 16             | 12         | <3.0       | 0.5       |
| MW-8        | 03/03/04 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | ---       |
| MW-8        | 04/28/04 | 48,000                | <10            | <0.10       | <0.015           | 19             | 40                | 12             | 14         | <3.0       | 1.42      |
| MW-8        | 09/16/04 | ---                   | ---            | <0.50       | <0.50            | 21             | 38                | 2.4            | 15         | <5.0       | 1.4       |
| MW-8        | 02/10/05 | 110,000               | <1.0           | <0.50       | <0.50            | 21             | 43                | 2.2            | 23         | <5.0       | 0.83      |
| MW-8        | 05/12/05 | 100,000               | <1.0           | 0.54        | <0.50            | 22             | 39                | 2.7            | <5.0       | <5.0       | 1.48      |

TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE I.D. | DATE     | CARBON DIOXIDE (ug/l) | METHANE (ug/l) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|-------------|----------|-----------------------|----------------|-------------|------------------|----------------|-------------------|----------------|------------|------------|-----------|
| MW-10       | 10/10/00 | 241,000               | 18             | 0.61        | 0.67             | 7.0            | 170               | <0.5           | <5         | <5         | 3.4       |
| MW-10       | 12/07/00 | ---                   | ---            | 3.0         | 0.42             | 6.53           | 124               | <0.050         | 86         | <3.0       | 19.3      |
| MW-10       | 02/22/01 | 26,000                | <10            | 3.96        | 0.091            | 3.28           | 30                | <0.050         | <10        | <3.0       | ---       |
| MW-10       | 05/08/01 | 95,000                | <10            | 0.344       | 0.327            | 5.65           | 68                | 0.092          | <10        | <3.0       | ---       |
| MW-10       | 09/26/01 | 110,000               | <10            | 1.52        | 0.229            | 10             | 112               | <0.050         | 39         | <3.0       | 6.0       |
| MW-10       | 12/12/01 | 120,000               | <10            | <0.10       | 0.270            | 8.30           | 88                | 0.900          | <10        | <3.0       | 3.18      |
| MW-10       | 03/12/02 | 120,000               | <10            | <0.10       | 0.405            | 6.96           | 112               | 2.26           | 11         | <3.0       | 0.79      |
| MW-10       | 05/21/02 | 96,000                | <10            | <0.10       | 0.670            | 7.70           | 126               | <0.050         | 32         | <3.0       | 2.21      |
| MW-10       | 08/28/02 | 98,000                | <10            | <0.10       | 0.49             | 8.00           | 140               | <0.050         | <10        | <3.0       | 0.48      |
| MW-10       | 11/20/02 | 48,200                | <10            | 0.12        | 0.32             | 7.10           | 96                | 1.13           | 15         | <3.0       | 1.31      |
| MW-10       | 02/18/03 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | 0.77      |
| MW-10       | 05/13/03 | 100,000               | <10            | <0.10       | 0.201            | 7.29           | 102               | <0.050         | 15         | <3.0       | 0.27      |
| MW-10       | 08/19/03 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | ---       |
| MW-10       | 11/19/03 | 123,000               | <10            | <0.10       | 0.420            | 9.2            | 134               | 1.30           | 19         | <3.0       | 0.62      |
| MW-10       | 03/03/04 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | ---       |
| MW-10       | 04/28/04 | 44,000                | <10            | <0.10       | 0.259            | 5.6            | 80                | 0.800          | 24         | <3.0       | 0.82      |
| MW-10       | 09/16/04 | ---                   | ---            | 1.1         | 0.56             | 10             | 110               | 0.84           | 48         | <5.0       | 0.00      |
| MW-10       | 02/10/05 | 110,000               | 12             | 0.97        | 0.53             | 5.6            | 66                | 0.40           | 45         | <5.0       | 0.00      |
| MW-10       | 05/12/05 | 260,000               | <1.0           | <0.50       | 0.75             | 11             | 120               | 0.49           | 8.5        | <5.0       | 0.00      |
| MW-11       | 10/10/00 | 238,000               | 170            | 2.4         | 1.2              | 0.6            | 210               | <0.5           | <5         | 5.0        | 0.52      |
| MW-11       | 12/07/00 | ---                   | ---            | 236         | 5.7              | 72.1           | 368               | 0.157          | 64         | 3.6        | 15.2      |
| MW-11       | 02/23/01 | 350,000               | 110            | 2.06        | 1.2              | <1.0           | 236               | <0.050         | <10        | 5.3        | 41.2      |
| MW-11       | 05/08/01 | 190,000               | 110            | 1.91        | 1.12             | <1.0           | 210               | <0.050         | 10         | <3.0       | ---       |
| MW-11       | 09/26/01 | 170,000               | 330            | 0.807       | 0.998            | <1.0           | 180               | <0.050         | 18         | 3.1        | 3.0       |
| MW-11       | 12/12/01 | 170,000               | 280            | <0.10       | 0.330            | 3.30           | 122               | 1.00           | <10        | <3.0       | 0.94      |
| MW-11       | 03/12/02 | 130,000               | 186            | <0.10       | 0.950            | 1.46           | 204               | 1.37           | 29         | 7.4        | 0.88      |
| MW-11       | 05/21/02 | 180,000               | 429            | <0.10       | 1.1              | 1.50           | 212               | <0.050         | 22         | 4.7        | 1.98      |
| MW-11       | 08/28/02 | 175,000               | 433            | <0.10       | 0.53             | 5.40           | 120               | 4.10           | 34         | 5.5        | 0.54      |
| MW-11       | 11/20/02 | 102,000               | 258            | 0.80        | 0.51             | 3.50           | 104               | 3.60           | 13         | <3.0       | 1.54      |
| MW-11       | 02/18/03 | 65,000                | 191            | 5.91        | 0.674            | 2.33           | 194               | <0.050         | 24         | <3.0       | 1.91      |
| MW-11       | 05/13/03 | 190,000               | 513            | 0.139       | 0.756            | 2.00           | 196               | <0.050         | 28         | 8.0        | 0.18      |
| MW-11       | 08/19/03 | 51,400                | 586            | <0.10       | 0.529            | 5.90           | 110               | 2.00           | <10        | 7.2        | 0.88      |
| MW-11       | 11/19/03 | 130,000               | 405            | <0.10       | 0.352            | 9.10           | 116               | 1.10           | 11         | <3.0       | 0.74      |
| MW-11       | 03/03/04 | 210,000               | 515            | <0.10       | 0.840            | 2.40           | 182               | <0.050         | 41         | <3.0       | 0.97      |
| MW-11       | 04/28/04 | 75,000                | 300            | 0.473       | 0.958            | 1.90           | 208               | <0.050         | 32         | 3.1        | 0.68      |
| MW-11       | 09/17/04 | ---                   | ---            | 0.98        | 0.95             | 3.3            | 190               | 0.45           | 23         | <5.0       | 0.00      |

June 30, 2005

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**TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA**  
**FORTUNA MAINTENANCE STATION**  
**FORTUNA, CALIFORNIA**

TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE I.D. | DATE     | CARBON DIOXIDE (ug/l) | METHANE (ug/l) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|-------------|----------|-----------------------|----------------|-------------|------------------|----------------|-------------------|----------------|------------|------------|-----------|
| MW-13       | 04/28/04 | 174,000               | <10            | <0.10       | <0.015           | 8.80           | 84                | 1.50           | 16         | <3.0       | 0.43      |
| MW-13       | 09/16/04 | ---                   | ---            | 4.1         | <0.50            | 17             | 63                | 1.4            | 39         | <5.0       | 0.00      |
| MW-13       | 02/10/05 | 290,000               | <1.0           | 1.6         | <0.50            | 11             | 110               | 0.69           | 31         | <5.0       | 0.97      |
| MW-13       | 05/12/05 | 280,000               | <1.0           | <0.50       | <0.50            | 13             | 93                | 0.90           | 19         | <5.0       | 0.00      |
| MW-14       | 10/11/00 | 288,000               | <1.0           | 2.8         | 0.085            | 16             | 100               | 0.76           | 15         | 7.0        | 0.41      |
| MW-14       | 12/07/00 | ---                   | ---            | 24          | 0.26             | 11.8           | 82                | 2.82           | 75         | <3.0       | 19.21     |
| MW-14       | 02/22/01 | 89,000                | <10            | 0.997       | 0.019            | 14.7           | 20                | 20             | <10        | <3.0       | 23.6      |
| MW-14       | 05/08/01 | 120,000               | <10            | 2.52        | 0.062            | 13.3           | 14                | 12             | 15         | <3.0       | ---       |
| MW-14       | 09/26/01 | 100,000               | <10            | <0.10       | 0.024            | 12.9           | 22                | 6.17           | 16         | <3.0       | 6.0       |
| MW-14       | 12/12/01 | 100,000               | <10            | 0.119       | <0.015           | 13.3           | 18                | 22.4           | 60         | <3.0       | 2.99      |
| MW-14       | 03/12/02 | 120,000               | <10            | <0.10       | 0.016            | 13.8           | 16                | 17.5           | 52         | <3.0       | 1.12      |
| MW-14       | 05/21/02 | 100,000               | <10            | <0.10       | <0.015           | 12.0           | 28                | 14             | <10        | <3.0       | 1.86      |
| MW-14       | 08/28/02 | 110,000               | <10            | <0.10       | <0.015           | 12.0           | 40                | 8.50           | <10        | <3.0       | 0.17      |
| MW-14       | 11/20/02 | 52,500                | <10            | <0.10       | <0.015           | 11.0           | 30                | 7.30           | <10        | <3.0       | 1.03      |
| MW-14       | 02/18/03 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | 3.09      |
| MW-14       | 05/13/03 | 83,000                | <10            | 0.103       | 0.020            | 15.0           | <2.0              | 9.99           | <10        | <3.0       | 0.35      |
| MW-14       | 08/19/03 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | ---       |
| MW-14       | 11/19/03 | 154,000               | <10            | <0.10       | <0.015           | 13             | 24                | 8.1            | <10        | <3.0       | 0.63      |
| MW-14       | 03/03/04 | ---                   | ---            | ---         | ---              | ---            | ---               | ---            | ---        | ---        | ---       |
| MW-14       | 04/28/04 | <1,000                | <10            | <0.10       | <0.015           | 14.0           | 12                | 11.0           | 22         | <3.0       | 0.68      |
| MW-14       | 09/16/04 | ---                   | ---            | <0.50       | <0.50            | 17             | 25                | 2.4            | 13         | <5.0       | 1.5       |
| MW-14       | 02/10/05 | 140,000               | <1.0           | 6.1         | <0.50            | 18             | 16                | 1.6            | 16         | <5.0       | 0.71      |
| MW-14       | 05/12/05 | 100,000               | <1.0           | 0.52        | <0.50            | 17             | 17                | 3.5            | 15         | <5.0       | 0.05      |
| MW-15       | 10/11/00 | 19,100                | 92             | 362         | 8.5              | 78             | 530               | 0.71           | 40         | <5         | 0.21/0.18 |
| MW-15       | 12/07/00 | ---                   | ---            | 39          | 5.9              | 98.8           | 115               | 0.086          | 16         | <3.0       | 18.7      |
| MW-15       | 02/23/01 | 39,000                | <10            | 2.01        | 1.2              | 7.79           | 404               | <0.050         | 13         | 4.9        | 72.6      |
| MW-15       | 05/08/01 | 28,000                | 75             | 0.298       | 0.958            | 79.2           | 420               | <0.050         | 72         | 4.4        | ---       |
| MW-15       | 09/26/01 | 31,000                | 77             | 0.13        | 0.66             | 55.0           | 516               | 2.95           | 70         | <3.0       | 5.0       |
| MW-15       | 12/12/01 | 59,000                | 33             | <0.10       | 0.398            | 90.8           | 558               | 1.50           | 74         | <3.0       | 0.63      |
| MW-15       | 03/12/02 | 70,000                | 111            | 0.185       | 0.567            | 47.0           | 644               | 7.94           | 250        | 4.7        | 1.08      |
| MW-15       | 05/21/02 | 57,000                | 173            | <0.10       | 0.65             | 26.0           | 656               | <0.050         | 130        | 5.6        | 1.94      |
| MW-15       | 08/28/02 | 54,000                | 128            | 1.2         | 0.22             | 31.0           | 630               | <0.050         | 48         | 6.8        | 0.31      |
| MW-15       | 11/20/02 | 24,300                | <10            | 0.22        | 0.67             | 49.0           | 584               | <0.050         | 15         | <3.0       | 1.37      |
| MW-15       | 02/18/03 | 18,000                | 34             | 1.76        | 0.593            | 44.0           | 656               | <0.050         | 25         | <3.0       | 0.55      |
| MW-15       | 05/13/03 | 42,000                | 102            | 0.120       | 0.811            | 18.8           | 582               | <0.050         | 22         | <3.0       | 0.41      |
| MW-15       | 08/19/03 | 1,000                 | 66             | <0.10       | 0.733            | 25.3           | 596               | 0.58           | 33         | <3.0       | 0.89      |

TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE I.D. | DATE     | CARBON DIOXIDE<br>(ug/l) | METHANE<br>(ug/l) | IRON<br>(mg/l) | MANGANESE<br>(mg/l) | SULFATE<br>(mg/l) | ALKALINITY<br>(mg/l) | NITRATE<br>(mg/l) | COD<br>(mg/l) | BOD<br>(mg/l) | DO<br>(mg/l) |
|-------------|----------|--------------------------|-------------------|----------------|---------------------|-------------------|----------------------|-------------------|---------------|---------------|--------------|
| MW-15       | 11/19/03 | 50,000                   | 76                | <0.10          | 0.989               | 49                | 604                  | <0.050            | 42            | <3.0          | 0.24         |
| MW-15       | 03/03/04 | 48,000                   | 111               | <0.10          | 0.810               | 27.0              | 568                  | <0.25             | 10            | <3.0          | 0.68         |
| MW-15       | 04/28/04 | 22,000                   | 60                | <0.10          | 0.754               | 7.00              | 512                  | <0.050            | 28            | <3.0          | 0.54         |
| MW-15       | 09/16/04 | ---                      | ---               | 47             | 2.1                 | 24                | 560                  | 0.49              | 76            | <5.0          | 0.00         |
| MW-15       | 02/10/05 | 38,000                   | <1.0              | <0.50          | 1.0                 | 34                | 580                  | 0.44              | 34            | <5.0          | 0.00         |
| MW-15       | 05/12/05 | 36,000                   | <1.0              | 1.7            | 1.0                 | 13                | 490                  | 0.61              | 17            | <5.0          | 0.00         |
| MW-16       | 10/11/00 | 127,000                  | 36                | 6.2            | 0.2                 | <0.5              | 260                  | 0.81              | 44            | 13            | 2.86/3.5     |
| MW-16       | 12/07/00 | ---                      | ---               | 13             | 1.8                 | 3.71              | 350                  | <0.050            | 199           | 28            | 21.6         |
| MW-16       | 02/23/01 | 620,000                  | 830               | 12.1           | 1.58                | <1.0              | 242                  | <0.050            | 64            | 23            | 33.5         |
| MW-16       | 05/08/01 | 400,000                  | 270               | 6.76           | 1.09                | <1.0              | 232                  | <0.050            | 64            | 12            | ---          |
| MW-16       | 09/26/01 | 420,000                  | <10               | 3.72           | 1.23                | <1.0              | 272                  | <0.050            | 134           | 18            | 5.0          |
| MW-16       | 12/12/01 | 480,000                  | <10               | 1.63           | 0.682               | 2.60              | 252                  | 5.70              | 47            | 5.2           | 0.84         |
| MW-16       | 03/12/02 | 470,000                  | <10               | 0.137          | 1.31                | <1.0              | 238                  | 5.00              | 137           | 19            | 1.21         |
| MW-16       | 05/21/02 | 440,000                  | <10               | <0.10          | 1.5                 | 1.20              | 254                  | 4.90              | 200           | 19            | 1.61         |
| MW-16       | 08/28/02 | 460,000                  | <10               | <0.10          | 0.93                | <1.0              | 260                  | <0.050            | 97            | 24            | 0.21         |
| MW-16       | 11/20/02 | 283,000                  | <10               | 0.60           | 0.67                | <1.0              | 252                  | <0.050            | 59            | <3.0          | 1.48         |
| MW-16       | 02/18/03 | 185,000                  | <10               | 4.18           | 0.736               | 1.20              | 254                  | 4.40              | 78            | <3.0          | 0.25         |
| MW-16       | 05/13/03 | 482,000                  | <10               | 4.26           | 1.51                | <1.0              | 268                  | <0.050            | 143           | <3.0          | 0.48         |
| MW-16       | 08/19/03 | 79,700                   | 40                | 2.11           | 1.51                | <1.0              | 261                  | 0.76              | 100           | <3.0          | 0.91         |
| MW-16       | 11/19/03 | 354,000                  | <10               | 3.69           | 1.11                | <1.0              | 260                  | 4.3               | 131           | 13            | 0.49         |
| MW-16       | 03/03/04 | 410,000                  | <10               | 1.30           | 1.27                | <1.0              | 264                  | <0.050            | 125           | 9.0           | 0.83         |
| MW-16       | 04/28/04 | 210,000                  | <10               | 5.46           | 1.60                | <1.0              | 266                  | <0.050            | 188           | 16            | 0.52         |
| MW-16       | 02/10/05 | 390,000                  | 410               | 9.2            | 1.8                 | 2.8               | 290                  | 0.35              | 120           | 25            | 0.00         |
| MW-16       | 05/12/05 | 450,000                  | 480               | 18             | 2.2                 | 3.4               | 310                  | 0.45              | 100           | <5.0          | 0.00         |
| DW-1        | 10/11/00 | 119                      | 10                | 0.88           | 0.083               | <0.5              | 170                  | <0.5              | 20            | 8.0           | ---          |
| DW-1        | 12/07/00 | ---                      | ---               | 0.11           | <0.015              | 4.84              | 192                  | <0.050            | 195           | 7.6           | 19.8         |
| DW-1        | 02/22/01 | 1,100                    | <10               | 1.21           | 0.12                | 4.02              | 68                   | 0.05              | <10           | <3.0          | 13.5         |
| DW-1        | 05/08/01 | 11,000                   | 33                | 0.479          | 0.741               | <1.0              | 130                  | <0.050            | <10           | 6.5           | ---          |
| DW-1        | 09/26/01 | 14,000                   | 88                | <0.10          | 0.361               | 1.48              | 220                  | <0.050            | 20            | <3.0          | 4.0          |
| DW-1        | 12/12/01 | 14,000                   | 75                | 0.183          | 0.042               | 2.90              | 30                   | 1.30              | <10           | <3.0          | 2.98         |
| DW-1        | 03/12/02 | <1,000                   | <10               | <0.10          | <0.015              | 3.82              | 90                   | <0.050            | 16            | <3.0          | 0.76         |
| DW-1        | 05/21/02 | 37,000                   | 125               | <0.10          | 0.79                | 2.90              | 148                  | 1.00              | <10           | <3.0          | 1.94         |
| DW-1        | 08/28/02 | 69,000                   | 108               | <0.10          | 1.0                 | <1.0              | 200                  | <0.050            | <10           | <3.0          | 0.54         |
| DW-1        | 11/20/02 | 16,900                   | 59                | 0.19           | 0.65                | 4.80              | 124                  | <0.050            | 10            | <3.0          | 0.97         |
| DW-1        | 02/18/03 | 12,000                   | 44                | 0.431          | 0.780               | 3.30              | 146                  | <0.050            | 12            | <3.0          | 0.66         |
| DW-1        | 05/13/03 | 36,000                   | 83                | <0.10          | 0.063               | 3.29              | 88                   | <0.050            | 17            | <3.0          | 0.41         |
| DW-1        | 08/19/03 | 4,700                    | 88                | <0.10          | 0.592               | 1.55              | 88                   | <0.050            | <10           | <3.0          | 0.97         |

TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL DATA - GEOCHEMICAL DATA  
FORTUNA MAINTENANCE STATION  
FORTUNA, CALIFORNIA

| SAMPLE I.D. | DATE     | CARBON DIOXIDE (ug/l) | METHANE (ug/l) | IRON (mg/l) | MANGANESE (mg/l) | SULFATE (mg/l) | ALKALINITY (mg/l) | NITRATE (mg/l) | COD (mg/l) | BOD (mg/l) | DO (mg/l) |
|-------------|----------|-----------------------|----------------|-------------|------------------|----------------|-------------------|----------------|------------|------------|-----------|
| DW-1        | 11/19/03 | 52,000                | 69             | <0.10       | 0.260            | 4.00           | 88                | <0.050         | 11         | <3.0       | 0.35      |
| DW-1        | 03/03/04 | 29,000                | 72             | <0.10       | 0.300            | 3.70           | 92                | <0.050         | 28         | <3.0       | 0.86      |
| DW-1        | 04/28/04 | 23,000                | 40             | <0.10       | 0.211            | 4.10           | 78                | <0.050         | 16         | <3.0       | 0.41      |
| DW-1        | 09/16/04 | ---                   | ---            | <0.50       | <0.50            | 4.9            | 83                | 0.45           | 22         | <5.0       | 0.00      |
| DW-1        | 02/10/05 | 75,000                | <1.0           | <0.50       | <0.50            | 5.0            | 92                | 0.40           | 27         | <5.0       | 0.00      |
| DW-1        | 05/12/05 | 5,900                 | <1.0           | <0.50       | <0.50            | 7.5            | 85                | 0.65           | 8.6        | <5.0       | 0.00      |
| PW-1        | 10/10/00 | 393,000               | 1,820          | 8.2         | 1.1              | 120            | 190               | 0.52           | 15         | <5         | 0.16      |
| PW-1        | 12/07/00 | ---                   | ---            | 33          | 0.8              | 65.2           | 70                | 1,190          | <10        | <3.0       | 29.6      |
| PW-1        | 02/23/01 | 120,000               | 520            | 17.8        | 0.763            | 8.70           | 160               | 0.510          | <10        | 5.8        | 9.7       |
| PW-1        | 05/08/01 | 120,000               | 560            | 14.5        | 0.658            | 8.34           | 210               | 0.300          | <10        | <3.0       | ---       |
| PW-1        | 09/26/01 | 110,000               | 100            | 53.6        | 1.27             | 6.64           | 280               | <0.10          | 39         | 4.4        | 5.0       |
| PW-1        | 12/12/01 | 130,000               | 130            | 6.27        | 0.787            | 15.2           | 160               | 1.50           | <10        | 3.8        | 0.89      |
| PW-1        | 03/12/02 | 90,000                | 145            | <0.10       | 0.666            | 13.2           | 208               | 2.00           | 29         | 4.5        | 0.81      |
| PW-1        | 05/21/02 | 140,000               | 240            | 1.2         | 0.70             | 13.0           | 192               | 1.40           | 20         | <3.0       | 1.91      |
| PW-1        | 08/28/02 | 129,000               | 243            | 1.4         | 1.2              | 17.0           | 210               | <0.050         | 64         | <3.0       | 0.63      |
| PW-1        | 11/20/02 | 97,200                | 132            | 28          | 1.1              | 13.0           | 220               | <0.050         | 38         | <3.0       | 1.09      |
| PW-1        | 02/18/03 | 38,000                | 686            | <0.10       | <0.015           | 18.0           | 248               | <0.050         | 21         | <3.0       | 0.57      |
| PW-1        | 05/13/03 | 106,000               | 226            | <0.10       | 0.688            | 16.0           | 202               | 1.29           | 23         | <3.0       | 0.17      |
| PW-1        | 08/19/03 | 23,700                | 895            | 10.5        | 1.06             | 18.9           | 228               | 0.61           | 25         | <3.0       | 0.87      |
| PW-1        | 11/19/03 | 103,000               | 247            | 11.8        | 1.300            | 30.1           | 232               | <0.050         | 26         | <3.0       | 0.76      |
| PW-1        | 03/03/04 | 60,000                | 144            | 5.90        | 0.900            | 17.0           | 212               | <0.10          | 13         | <3.0       | 0.98      |
| PW-1        | 04/28/04 | 41,000                | 90             | 3.10        | 0.840            | 14.0           | 200               | <0.050         | 21         | <3.0       | 0.39      |
| PW-1        | 09/16/04 | ---                   | ---            | 7.5         | 0.82             | 9.1            | 190               | 0.51           | 30         | <5.0       | 0.00      |
| PW-1        | 02/10/05 | 130,000               | 200            | 6.5         | <0.50            | 8.1            | 190               | 0.53           | 31         | <5.0       | 0.00      |
| PW-1        | 05/12/05 | 130,000               | 85             | 5.7         | 0.68             | 10             | 220               | 0.68           | 34         | <5.0       | 0.00      |

Notes:

ug/l = Micrograms per liter

mg/l = Milligrams per liter

COD = Chemical Oxygen Demand

BOD = Biological Oxygen Demand

DO = Dissolved Oxygen

--- = Not Analyzed

&lt; = Less than laboratory test method detection limit

TABLE 4  
 SUMMARY OF GROUNDWATER ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS  
 FORTUNA MAINTENANCE STATION  
 FORTUNA, CALIFORNIA

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| SAMPLE I.D. | DATE     | Acetone (ug/l) | tert-Butylbenzene (ug/l) | 1,2-DCA (ug/l) | 1,1-DCA (ug/l) | 1,1,1-TCA (ug/l) | Chloroethane (ug/l) | Chloroform (ug/l) | cis-1,2-DCE (ug/l) | 1,2-DCP (ug/l) | TCE (ug/l) | 2-Hexanone (ug/l) | Carbon Disulfide (ug/l) | 1,2,4-TMB (ug/l) |
|-------------|----------|----------------|--------------------------|----------------|----------------|------------------|---------------------|-------------------|--------------------|----------------|------------|-------------------|-------------------------|------------------|
| MW-14       | 05/18/94 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| MW-14       | 09/20/95 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 05/19/93 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 11/17/93 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 05/18/94 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 09/19/95 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 03/19/96 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 09/26/96 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 03/03/97 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 09/24/97 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 04/08/98 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 10/07/98 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 03/17/99 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 03/29/00 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 10/11/00 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 12/07/00 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 02/22/01 | ND             | ND                       | ND             | 1              | 2.1              | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 05/08/01 | ND             | ND                       | ND             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |
| DW-1        | 09/26/01 | <2.0           | <2.0                     | <2.0           | <2.0           | <2.0             | <2.0                | <2.0              | <2.0               | <2.0           | <2.0       | <2.0              | <2.0                    | <2.0             |
| DW-1        | 12/12/01 | <2.0           | <2.0                     | <2.0           | <2.0           | <2.0             | <2.0                | <2.0              | <2.0               | <2.0           | <2.0       | <2.0              | <2.0                    | <2.0             |
| DW-1        | 03/12/02 | <2.0           | <2.0                     | <2.0           | <2.0           | <2.0             | <2.0                | <2.0              | <2.0               | <2.0           | <2.0       | <2.0              | <2.0                    | <2.0             |
| DW-1        | 05/21/02 | <2.0           | <2.0                     | <2.0           | <2.0           | <2.0             | <2.0                | <2.0              | <2.0               | <2.0           | <2.0       | <2.0              | <2.0                    | <2.0             |
| DW-1        | 08/28/02 | <2.0           | <2.0                     | <2.0           | <2.0           | <2.0             | <2.0                | <2.0              | <2.0               | <2.0           | <2.0       | <2.0              | <2.0                    | <2.0             |
| DW-1        | 11/20/02 | <2.0           | <2.0                     | <2.0           | <2.0           | <2.0             | <2.0                | <2.0              | <2.0               | <2.0           | <2.0       | <2.0              | <2.0                    | <2.0             |
| DW-1        | 02/18/03 | <2.0           | <2.0                     | <2.0           | <2.0           | <2.0             | <2.0                | <2.0              | <2.0               | <2.0           | <2.0       | <2.0              | <2.0                    | <2.0             |
| DW-1        | 05/13/03 | <2.0           | <2.0                     | <2.0           | <2.0           | <2.0             | <2.0                | <2.0              | <2.0               | <2.0           | <2.0       | <2.0              | <2.0                    | <2.0             |
| DW-1        | 08/19/03 | <2.0           | <2.0                     | <2.0           | <2.0           | <2.0             | <2.0                | <2.0              | <2.0               | <2.0           | <2.0       | <2.0              | <2.0                    | <2.0             |
| DW-1        | 11/19/03 | <2.0           | <2.0                     | <2.0           | <2.0           | <2.0             | <2.0                | <2.0              | <2.0               | <2.0           | <2.0       | <2.0              | <2.0                    | <2.0             |
| DW-1        | 03/03/04 | <2.0           | <2.0                     | <2.0           | <2.0           | <2.0             | <2.0                | <2.0              | <2.0               | <2.0           | <2.0       | <2.0              | <2.0                    | <2.0             |
| DW-1        | 04/28/04 | <2.0           | <2.0                     | <2.0           | <2.0           | <2.0             | <2.0                | <2.0              | <2.0               | <2.0           | <2.0       | <2.0              | <2.0                    | <2.0             |
| DW-1        | 09/16/04 | ---            | <0.50                    | <0.50          | <0.50          | <0.50            | <0.50               | <0.50             | <0.50              | <0.50          | <0.50      | <0.50             | <0.50                   | 0.55             |
| DW-1        | 02/10/05 | ---            | <0.50                    | <0.50          | <0.50          | <0.50            | <0.50               | <0.50             | <0.50              | <0.50          | <0.50      | ---               | ---                     | <0.50            |
| DW-1        | 05/12/05 | ---            | <0.50                    | <0.50          | <0.50          | <0.50            | <0.50               | <0.50             | <0.50              | <0.50          | <0.50      | ---               | ---                     | <0.50            |
| PW-1        | 09/19/95 | ND             | ND                       | 22             | ND             | ND               | ND                  | ND                | ND                 | ND             | ND         | ND                | ND                      | ND               |

Notes:

ug/l = Micrograms per liter

1,2-DCA = 1,2-dichloroethane

1,1-DCA = 1,1-dichloroethane

1,1,1-TCA = 1,1,1-trichloroethane

cis-1,2-DCE = cis-1,2-dichloroethene

1,2-DCP = 1, 2-dichloropropane

TCE = trichloroethene

1,2,4-TMB = 1,2,4-Trimethylbenzene

&lt;, ND = Less than laboratory test method detection limit

--- = Not analyzed

## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-1                                   | Date: 5/12/05                      |
| Well Diameter: 4 in.                             | Field Personnel: JE                |
| Casing Length: 20.0 feet                         | Screened Casing Length:            |
| Well Elevation: 53.15 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>               |   |
|--|---|
| Water Depth Before Purging: 1.51 ft.       | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 12.07 Gal. | Volumes Purged: 2.0                         |
| Start Purging Time: 0920                   | End Purging Time: 0952                      |
| Total Time: 32 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 24 Gal.               | Avg. Flow Rate: 0.8 gpm                     |
| Water Depth After Purging: feet            | Time:                                       |
| Dissolved Oxygen: 0.45 mg/l                | Free Product: (No); Thickness: inches       |

| <b>SAMPLING CHARACTERISTICS</b>  |                     |                                    |      |                |
|--|---------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                     | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity |                     |                                    |      |                |
| TIME   | TEMPERATURE<br>(°C) | CONDUCTIVITY<br>(umhos/cm)         | pH   | Gallons Purged |
| 0927   | 15.3                | 355                                | 6.29 | 12             |
| 0952   | 15.2                | 382                                | 6.05 | 24             |
|  |                     |                                    |      |                |
|  |                     |                                    |      |                |
| 0955   |                     |                                    |      | Sample         |

|   |
|---|
| Comments: Turbid; slight odor                     |
| Dry @ 15 gal. waited for recharge – purged 9 gal. |
| Replaced 4" well cap                              |
|   |

## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-2                                   | Date: 5/12/05                      |
| Well Diameter: 4 in.                             | Field Personnel: JE                |
| Casing Length: 24.1 feet                         | Screened Casing Length:            |
| Well Elevation: 53.09 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>               |   |
|--|---|
| Water Depth Before Purging: 1.72 ft.       | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 14.61 Gal. | Volumes Purged: 2.5                         |
| Start Purging Time: 0956                   | End Purging Time: 1028                      |
| Total Time: 32 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 37 Gal.               | Avg. Flow Rate: 1.2 gpm                     |
| Water Depth After Purging: feet            | Time:                                       |
| Dissolved Oxygen: 0.00 mg/l                | Free Product: (No); Thickness: inches       |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 1005   | 15.7             | 642                                | 6.71 | 15             |
| 1025   | 15.5             | 629                                | 6.82 | 30             |
| 1028   | 15.5             | 589                                | 6.76 | 37             |
|  |                  |                                    |      |                |
| 1030   |                  |                                    |      | Sample         |

|  |
|--|
| Comments: Nearly clear, light brown, hydrocarbon odor. |
| Dry at 21 gal. Waited for recharge – collected 16 gal. |
| Well box below grade, rusted out.                      |
|  |

## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-3                                   | Date: 5/12/05                      |
| Well Diameter: 4 in.                             | Field Personnel: JE                |
| Casing Length: 24.0 feet                         | Screened Casing Length:            |
| Well Elevation: 54.00 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>               |   |
|--|---|
| Water Depth Before Purging: 3.42 ft.       | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 13.43 Gal. | Volumes Purged: 2.2                         |
| Start Purging Time: 1432                   | End Purging Time: 1500                      |
| Total Time: 28 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 30 Gal.               | Avg. Flow Rate: 1.1 gpm                     |
| Water Depth After Purging: feet            | Time:                                       |
| Dissolved Oxygen: 0.00 mg/l                | Free Product: (No); Thickness: inches       |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: : TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 1441   | 15.9             | 440                                | 6.02 | 14             |
| 1500   | 16.5             | 391                                | 6.00 | 30             |
|  |                  |                                    |      |                |
|  |                  |                                    |      |                |
| 1505   |                  |                                    |      | Sample         |

|   |
|---|
| Comments: Strong hydrocarbon odors; clear           |
| Dry at 20 gal. Waited for recharge – purged 10 gal. |
|   |
|   |

## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-5                                   | Date: 5/12/05                      |
| Well Diameter: 4 in.                             | Field Personnel: JE                |
| Casing Length: 24.1 feet                         | Screened Casing Length:            |
| Well Elevation: 53.29 feet MSL measured from     |                                    |

| <b>PURGE CHARACTERISTICS</b>               |   |
|--|---|
| Water Depth Before Purging: 2.60 ft.       | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 14.04 Gal. | Volumes Purged: 3.1                         |
| Start Purging Time: 1155                   | End Purging Time: 1222                      |
| Total Time: 27 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 43 Gal.               | Avg. Flow Rate: 1.6 gpm                     |
| Water Depth After Purging: feet            | Time:                                       |
| Dissolved Oxygen: 1.70 mg/l                | Free Product: (No); Thickness: inches       |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 1204   | 15.7             | 292                                | 6.01 | 14             |
| 1213   | 15.9             | 301                                | 6.21 | 28             |
| 1222   | 15.9             | 286                                | 6.40 | 43             |
|  |                  |                                    |      |                |
| 1225   |                  |                                    |      | Sample         |

|                       |
|-----------------------|
| Comments: Clear       |
|                       |
|                       |
| *replaced 4" well cap |

## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-6                                   | Date: 5/12/05                      |
| Well Diameter: 4 in.                             | Field Personnel: JE                |
| Casing Length: 23.9 feet                         | Screened Casing Length:            |
| Well Elevation: 54.05 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>               |   |
|--|---|
| Water Depth Before Purging: 2.56 ft.       | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 13.93 Gal. | Volumes Purged: 2.2                         |
| Start Purging Time: 1240                   | End Purging Time: 1320                      |
| Total Time: 40 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 30 Gal.               | Avg. Flow Rate: 0.8 gpm                     |
| Water Depth After Purging: feet            | Time:                                       |
| Dissolved Oxygen: 0.00 mg/l                | Free Product: (No); Thickness: inches       |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity, VOCs |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 1250   | 16.6             | 610                                | 6.33 | 14             |
| 1320   | 16.6             | 617                                | 6.55 | 30             |
|  |                  |                                    |      |                |
|  |                  |                                    |      |                |
| 1325   |                  |                                    |      | Sample         |

|   |
|---|
| Comments: Clear   |
| Dry at 18 gal. Waited for recharge. Purged 12 gallons more before sampling. |
|   |
|   |

## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-8                                   | Date: 5/12/05                      |
| Well Diameter: 4 in.                             | Field Personnel: JE                |
| Casing Length: 26.0 feet                         | Screened Casing Length:            |
| Well Elevation: 53.68 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>               |   |
|--|---|
| Water Depth Before Purging: 5.68 ft.       | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 13.26 Gal. | Volumes Purged: 3.0                         |
| Start Purging Time: 1032                   | End Purging Time: 1056                      |
| Total Time: 24 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 40 Gal.               | Avg. Flow Rate: 1.7 gpm                     |
| Water Depth After Purging: feet            | Time:                                       |
| Dissolved Oxygen: 1.48 mg/l                | Free Product: (No); Thickness: inches       |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 1040   | 15.3             | 158                                | 6.37 | 13             |
| 1048   | 15.2             | 145                                | 6.38 | 26             |
| 1056   | 15.2             | 147                                | 6.31 | 40             |
|  |                  |                                    |      |                |
| 1100   |                  |                                    |      | Sample         |

|           |
|-----------|
| Comments: |
|           |
|           |
|           |
|           |

## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-10                                  | Date: 5/12/05                      |
| Well Diameter: 4 in.                             | Field Personnel: JE                |
| Casing Length: 25.4 feet                         | Screened Casing Length:            |
| Well Elevation: 54.21 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>               |   |
|--|---|
| Water Depth Before Purging: 2.85 ft.       | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 14.72 Gal. | Volumes Purged: 2.0                         |
| Start Purging Time: 1335                   | End Purging Time: 1425                      |
| Total Time: 30 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 30 Gal.               | Avg. Flow Rate: 1.0 gpm                     |
| Water Depth After Purging: feet            | Time:                                       |
| Dissolved Oxygen: 0.00 mg/l                | Free Product: (No); Thickness: inches       |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity, VOCs |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 1405   | 17.3             | 436                                | 6.56 | 15             |
| 1425   | 17.3             | 382                                | 6.50 | 30             |
|  |                  |                                    |      |                |
|  |                  |                                    |      |                |
| 1430   |                  |                                    |      | Sample         |

|   |
|---|
| Comments: Turbid; slight odor                       |
| Dry at 18 gal. Waited for recharge – purged 12 gal. |
|   |
|   |

## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-11                                  | Date: 5/12/05                      |
| Well Diameter: 4 in.                             | Field Personnel: JE                |
| Casing Length: 25.0 feet                         | Screened Casing Length:            |
| Well Elevation: 55.27 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>               |   |
|--|---|
| Water Depth Before Purging: 5.22 ft.       | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 12.91 Gal. | Volumes Purged: 3.0                         |
| Start Purging Time: 0846                   | End Purging Time: 0910                      |
| Total Time: 24 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 39 Gal.               | Avg. Flow Rate: 1.6 gpm                     |
| Water Depth After Purging: feet            | Time:                                       |
| Dissolved Oxygen: 0.00 mg/l                | Free Product: (No); Thickness: inches       |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 0854   | 15.5             | 355                                | 7.51 | 13             |
| 0902   | 16.2             | 354                                | 7.59 | 26             |
| 0910   | 16.3             | 385                                | 7.69 | 39             |
|  |                  |                                    |      |                |
| 0915   |                  |                                    |      | Sample         |

|  |
|--|
| Comments: Clear; strong odor                   |
| Casing has ¾" – 1" chip out of northwest side. |
| *replaced 4" well cap                          |
|  |

## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-12                                  | Date: 5/12/05                      |
| Well Diameter: 4 in.                             | Field Personnel: JE                |
| Casing Length: 24.8 feet                         | Screened Casing Length:            |
| Well Elevation: 55.30 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>               |   |
|--|---|
| Water Depth Before Purging: 5.89 ft.       | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 12.34 Gal. | Volumes Purged: 3.1                         |
| Start Purging Time: 0815                   | End Purging Time: 0839                      |
| Total Time: 24 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 38 Gal.               | Avg. Flow Rate: 1.6 gpm                     |
| Water Depth After Purging: feet            | Time:                                       |
| Dissolved Oxygen: 5.89 mg/l                | Free Product: (No); Thickness: inches       |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 0823   | 14.8             | 219                                | 6.88 | 13             |
| 0831   | 15.2             | 215                                | 6.82 | 26             |
| 0839   | 15.4             | 215                                | 6.80 | 38             |
|  |                  |                                    |      |                |
| 0845   |                  |                                    |      | Sample         |

|                                    |
|------------------------------------|
| Comments: Slight hydrocarbon odor. |
|                                    |
|                                    |
|                                    |
|                                    |

## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-13                                  | Date: 5/12/05                      |
| Well Diameter: 4 in.                             | Field Personnel: JE                |
| Casing Length: 19.6 feet                         | Screened Casing Length:            |
| Well Elevation: 52.93 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>               |   |
|--|---|
| Water Depth Before Purging: 2.42 ft.       | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 11.22 Gal. | Volumes Purged: 3.0                         |
| Start Purging Time: 0655                   | End Purging Time: 0717                      |
| Total Time: 22 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 34 Gal.               | Avg. Flow Rate: 1.5 gpm                     |
| Water Depth After Purging: feet            | Time:                                       |
| Dissolved Oxygen: 0.00 mg/l                | Free Product: (No); Thickness: inches       |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 0702   | 15.4             | 231                                | 6.88 | 11             |
| 0709   | 15.8             | 235                                | 6.95 | 22             |
| 0717   | 16.0             | 221                                | 7.06 | 34             |
|  |                  |                                    |      |                |
| 0725   |                  |                                    |      | Sample         |

|                 |
|-----------------|
| Comments: Clear |
|                 |
|                 |
|                 |

## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-14                                  | Date: 5/12/05                      |
| Well Diameter: 4 in.                             | Field Personnel: JE                |
| Casing Length: 19.5 feet                         | Screened Casing Length:            |
| Well Elevation: 52.07 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>               |   |
|--|---|
| Water Depth Before Purging: 3.38 ft.       | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 10.52 Gal. | Volumes Purged: 3.0                         |
| Start Purging Time: 0727                   | End Purging Time: 0748                      |
| Total Time: 21 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 32 Gal.               | Avg. Flow Rate: 1.5 gpm                     |
| Water Depth After Purging: feet            | Time:                                       |
| Dissolved Oxygen: 0.05 mg/l                | Free Product: (No); Thickness: inches       |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 0734   | 16.6             | 115                                | 6.65 | 11             |
| 0741   | 16.7             | 112                                | 6.52 | 22             |
| 0748   | 16.6             | 105                                | 6.72 | 32             |
|  |                  |                                    |      |                |
| 0755   |                  |                                    |      | Sample         |

|                 |
|-----------------|
| Comments: Clear |
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## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-15                                  | Date: 5/12/05                      |
| Well Diameter: 2 in.                             | Field Personnel: JE                |
| Casing Length: 18.6 feet                         | Screened Casing Length:            |
| Well Elevation: 54.47 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>              |   |
|---|---|
| Water Depth Before Purging: 2.37 ft.      | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 2.65 Gal. | Volumes Purged: 3.0                         |
| Start Purging Time: 1500                  | End Purging Time: 1507                      |
| Total Time: 7 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 8 Gal.               | Avg. Flow Rate: 1.1 gpm                     |
| Water Depth After Purging: feet           | Time:                                       |
| Dissolved Oxygen: 0.00 mg/l               | Free Product: (No); Thickness: inches       |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 1502   | 18.4             | 814                                | 6.82 | 3              |
| 1504   | 18.6             | 829                                | 6.90 | 6              |
| 1507   | 18.5             | 842                                | 6.93 | 8              |
|  |                  |                                    |      |                |
| 1520   |                  |                                    |      | Sample         |

|   |
|---|
| Comments: Purge water turbid, grayish color, hydrocarbon odor |
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## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: MW-16                                  | Date: 5/12/05                      |
| Well Diameter: 2 in.                             | Field Personnel: JE                |
| Casing Length: 20.4 feet                         | Screened Casing Length:            |
| Well Elevation: 53.75 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>              |   |
|---|---|
| Water Depth Before Purging: 3.16 ft.      | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 2.81 Gal. | Volumes Purged: 3.0                         |
| Start Purging Time: 1532                  | End Purging Time: 1538                      |
| Total Time: 6 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 8.5 Gal.             | Avg. Flow Rate: 1.4 gpm                     |
| Water Depth After Purging: feet           | Time:                                       |
| Dissolved Oxygen: 0.00 mg/l               | Free Product: (No); Thickness: inch         |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 1534   | 19.5             | 264                                | 6.74 | 3              |
| 1536   | 19.0             | 540                                | 6.95 | 6              |
| 1538   | 18.6             | 590                                | 7.05 | 8.5            |
|  |                  |                                    |      |                |
| 1550   |                  |                                    |      | Sample         |

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|---|
| Comments: Gray, turbid; strong odor with sheen. |
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## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: DW-1                                   | Date: 5/12/05                      |
| Well Diameter: 4 in.                             | Field Personnel: JE                |
| Casing Length: 38.2 feet                         | Screened Casing Length:            |
| Well Elevation: 54.14 feet MSL                   |                                    |

| PURGE CHARACTERISTICS                      |   |
|--|---|
| Water Depth Before Purging: 10.06 ft.      | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. |
| Calculated Water Column Volume: 18.37 Gal. | Volumes Purged: 3.0                         |
| Start Purging Time: 1110                   | End Purging Time: 1146                      |
| Total Time: 36 min.                        | Flow Gauge: to                              |
| Total Volume Purged: 56 Gal.               | Avg. Flow Rate: 1.6 gpm                     |
| Water Depth After Purging: feet            | Time:                                       |
| Dissolved Oxygen: 0.00 mg/l                | Free Product: (No); Thickness: inches       |

| SAMPLING CHARACTERISTICS   |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity, VOCs |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 1122   | 17.3             | 405                                | 7.93 | 19             |
| 1134   | 17.1             | 410                                | 7.94 | 38             |
| 1146   | 16.9             | 417                                | 7.99 | 56             |
|  |                  |                                    |      |                |
| 1150   |                  |                                    |      | Sample         |

|                 |
|-----------------|
| Comments: Clear |
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## MONITORING WELL SAMPLING DATA

|  |                                    |
|--|------------------------------------|
| <b>Project Name:</b> Fortuna Maintenance Station | <b>Project Number:</b> S8875-06-01 |
| Well No.: PW-1                                   | Date: 5/12/05                      |
| Well Diameter: 6 in.                             | Field Personnel: JE                |
| Casing Length: 26.4 feet                         | Screened Casing Length:            |
| Well Elevation: 54.38 feet MSL                   |                                    |

| <b>PURGE CHARACTERISTICS</b>               |   |
|--|---|
| Water Depth Before Purging: 2.56 ft.       | 2 in. = .1632 Gal/ft. 4 in. = .6528 Gal/ft. 6 in. = 1.47 Gal/ft |
| Calculated Water Column Volume: 35.04 Gal. | Volumes Purged: 2.6   |
| Start Purging Time: 1237                   | End Purging Time: 1340  |
| Total Time: 63 min.                        | Flow Gauge: to  |
| Total Volume Purged: 90 Gal.               | Avg. Flow Rate: 1.4 gpm   |
| Water Depth After Purging: feet            | Time:   |
| Dissolved Oxygen: 0.00 mg/l                | Free Product: (No); Thickness: inches                           |

| <b>SAMPLING CHARACTERISTICS</b>  |                  |                                    |      |                |
|--|------------------|------------------------------------|------|----------------|
| Purging Method: Submersible Pump   |                  | Sampling Method: Disposable Bailer |      |                |
| Laboratory Analysis: TPHg, BTEX, Fe, Mn, NO <sub>3</sub> , SO <sub>4</sub> , Methane, CO <sub>2</sub> , COD, BOD, Alkalinity |                  |                                    |      |                |
| TIME   | TEMPERATURE (°C) | CONDUCTIVITY (umhos/cm)            | pH   | Gallons Purged |
| 1259   | 17.0             | 921                                | 6.21 | 35             |
| 1325   | 16.9             | 979                                | 6.65 | 70             |
| 1340   | 16.7             | 991                                | 7.01 | 90             |
|  |                  |                                    |      |                |
| 1345   |                  |                                    |      | Sample         |

|  |
|--|
| Comments: clear; strong hydrocarbon odor           |
| Dry @ 65 gal. Waited for recharge – purged 30 gal. |
|  |
| Duplicate MW-17 Time 1300                          |